



REFERENCE

GP 3.8: 967



MONTHLY CATALOG

OF UNITED STATES
GOVERNMENT PUBLICATIONS



OCTOBER 1967

Number 873

Entries 14730-15820

Issued by the SUPERINTENDENT OF DOCUMENTS

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 : 1967

L.C. Card 4-18088

FOR SALE BY THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT
PRINTING OFFICE, WASHINGTON, D.C. 20402. PRICE 50 CENTS PER COPY
EXCEPT DECEMBER (INDEX) ISSUE, WHICH VARIES IN PRICE
SUBSCRIPTION PRICE \$4.50 PER YEAR (INCLUDING INDEX)
\$1.50 ADDITIONAL FOR FOREIGN MAILING

New Classification Numbers

C 52.19: Reserved	Environmental Science Services Administration.
C 52.20: nos-----	ESSA professional papers.
FS 2.22/50-5: date-----	Public Health Service. National Clearinghouse for Mental Health Information: Mental health digest.
FS 3.51/3: date-----	Social Security Administration. Directory of providers of services: Extended care facilities.
FS 3.52/2: nos-----	TIB (series). Social and Rehabilitation Service.
FS 17.1: date-----	Annual report.
FS 17.2: CT-----	General publications.
FS 17.101: date-----	Rehabilitation Services Administration. Annual report.
FS 17.102: CT-----	General publications.
FS 17.201: date-----	Children's Bureau. Annual report.
FS 17.202: CT-----	NOTE.—See, for earlier class, FS 14.101:(date). General publications.
FS 17.203:--208: Reserved	NOTE.—See, for earlier class, FS 14.102:(CT).
FS 17.209: v.nos.& nos-----	Children. NOTE.—See, for earlier class, FS 14.109:(v.nos. & nos.).
FS 17.301: date-----	Aging Administration. Annual report.
FS 17.302: CT-----	NOTE.—See, for earlier class, FS 15.1:(date). General publications.
FS 17.303:--308: Reserved	NOTE.—See, for earlier class, FS 15.2:(GT).
FS 17.309: nos-----	Aging. NOTE.—See, for earlier class, FS 15.10:(nos.).
LR 1.6/3: date-----	National Labor Relations Board.
PrEx 1.10/3:--PrEx 1.10/5: Reserved	National Labor Relations Board field manual.
PrEx 1.10/6: date-----	President of United States. President's Committee on Employment of the Handicapped: Annual national ability counts contest [announcement].
PrEx 10.20: CT-----	NOTE.—See, for earlier class, L 16.44 2: Ab5.2/ date. Economic Opportunity Office. So . . . you want to be (series).
TD 2.105: CT-----	Public Roads Bureau. Laws.
TD 2.106: CT-----	NOTE.—See, for earlier class, C 37.5:(CT). Regulations, rules, and instructions.
TD 2.108: CT-----	NOTE.—See, for earlier class, C 37.6:(CT). Handbooks, manuals, guides.
TD 4.6: pt.nos-----	NOTE.—See, for earlier class, C 37.6 2:(CT). Federal Aviation Administration. Federal aviation regulations.
	NOTE.—See, for earlier class, FAA 16 8:(pt. nos.).

Flight Standards Service.

TD 4.409 : date----- General aviation inspection aids, summary and supplements.

NOTE.—See, for earlier class, FAA 1.31 : (date).
Coast Guard.

TD 5.15 : Reserved

TD 5.16 : date----- Coast Guard Academy catalogue.

NOTE.—See, for earlier class, T 47.53 : (date).

Corrections for Previous Monthly Catalogs

Dec. 1966. Page 337, 1st column, add subject Investments : between 37th and 38th lines.

— Page 337, 2d column, correct 1st line to read Investments—Continued.

Apr. 1967. Entry 6207, St. Francis Basin, Ark. and Mo. (local cooperation requirements). Change class to read D 103.22 : Sa 2f/2.

Aug. 1967. Entry 12424, Third-class postal rates, bills and statements of account, hearing. Correct class to read Y 4.P84/11 : P 84/19.

Classified List of Government Authors

	Beginning Entry
Administrative Office of United States Courts.....	14730
Agriculture Department.....	14735
Agricultural Research Service.....	14733
Consumer and Marketing Service.....	15177
Economic Research Service.....	15209
Farmer Cooperative Service.....	15234
Forest Service.....	15276
Soil Conservation Service.....	15745
Statistical Reporting Service.....	15806
American Battle Monuments Commission.....	14787
Atomic Energy Commission.....	14808
Civil Aeronautics Board.....	14841
Civil Rights Commission.....	14848
Civil Service Commission.....	14854
Commerce Department.....	14880
Business and Defense Services Administration.....	14813
Census Bureau.....	14816
Economic Development Administration.....	15202
Environmental Science Services Administration.....	15230
Coast and Geodetic Survey.....	14873
International Commerce Bureau.....	15339
National Bureau of Standards.....	15584
Clearinghouse for Federal Scientific and Technical Information..	14872
Patent Office.....	15642
United States Travel Service.....	15813
Congress.....	14883
Defense Production Joint Committee.....	14916
Economic Joint Committee.....	14917
House of Representatives.....	14922
Agriculture Committee.....	15010
Appropriations Committee.....	15014
Banking and Currency Committee.....	15018
District of Columbia Committee.....	15021
Education and Labor Committee.....	15023
Foreign Affairs Committee.....	15027
Government Operations Committee.....	15028
House Administration Committee.....	15036
Interior and Insular Affairs Committee.....	15037
Interstate and Foreign Commerce Committee.....	15041
Judiciary Committee.....	15044
Merchant Marine and Fisheries Committee.....	15045
Post Office and Civil Service Committee.....	15046
Public Works Committee.....	15048
Science and Astronautics Committee.....	15049
Veterans' Affairs Committee.....	15050
Ways and Means Committee.....	15051

	Beginning Entry
Congress—Continued	
Printing Joint Committee.....	15054
Senate.....	15055
Aging, Special Committee on.....	15144
Agriculture and Forestry Committee.....	15145
Appropriations Committee.....	15147
Armed Services Committee.....	15148
Banking and Currency Committee.....	15150
Commerce Committee.....	15153
Finance Committee.....	15154
Foreign Relations Committee.....	15155
Government Operations Committee.....	15156
Interior and Insular Affairs Committee.....	15160
Judiciary Committee.....	15165
Labor and Public Welfare Committee.....	15170
Public Works Committee.....	15173
Defense Department.....	15180
Air Force Department.....	14766
Army Department.....	14788
Army Medical Service.....	14806
Civil Defense Office.....	14842
Engineers Corps.....	15224
Joint Chiefs of Staff.....	15342
Navy Department	
Marine Corps.....	15460
Naval Air Systems Command.....	15618
Naval Facilities Engineering Command.....	15619
Naval Operations Office	
Naval Observatory.....	15621
Naval Oceanographic Office.....	15624
Naval Personnel Bureau.....	15631
Naval Academy.....	15617
Naval Research Office.....	15635
Naval Supply Systems Command.....	15640
Yards and Docks Bureau	
See, above, Naval Facilities Engineering Command.	
District of Columbia.....	15201
Federal Home Loan Bank Board.....	15240
Federal Maritime Commission.....	15243
Federal Power Commission.....	15245
Federal Reserve System Board of Governors.....	15248
General Accounting Office.....	15292
General Services Administration.....	15303
Federal Supply Service.....	15251
National Archives and Records Service.....	15583
Transportation and Communications Service.....	15809
Government Printing Office	
Public Documents Division.....	15669
Health, Education, and Welfare Department.....	15316
Education Office.....	15210
Food and Drug Administration.....	15270

	Beginning Entry
Health, Education, and Welfare Department—Continued	
Public Health Service.....	15674
National Library of Medicine.....	15397
Social and Rehabilitation Service	
Aging Administration.....	14732
Children's Bureau.....	14840
Social Security Administration.....	15736
Federal Credit Unions Bureau.....	15239
Welfare Administration	
Family Services Bureau.....	15238
Housing and Urban Development Department.....	15317
Renewal Assistance Administration.....	15725
Interdepartmental Committee on Status of Women.....	15323
Interior Department.....	15324
Federal Water Pollution Control Administration.....	15253
Fish and Wildlife Service.....	15255
Geological Survey.....	15304
Indian Affairs Bureau.....	15321
Land Management Bureau.....	15456
Mines Bureau.....	15462
National Park Service.....	15608
Reclamation Bureau.....	15720
Joint Publications Research Service.....	15343-1
Justice Department.....	15431
Immigration and Naturalization Service.....	15318
Labor Department.....	15432
Employees' Compensation Bureau.....	15219
Labor Statistics Bureau.....	15436
Manpower Administration	
Employment Security Bureau.....	15220
Wage and Hour and Public Contracts Divisions.....	15819
Women's Bureau.....	15820
Library of Congress.....	15458
National Aeronautics and Space Administration.....	15485
National Labor Relations Board.....	15593
National Railroad Adjustment Board.....	15614
National Science Foundation.....	15616
Post Office Department.....	15643
President of United States.....	15663
Executive Office of the President	
Economic Opportunity Office.....	15203
Special Representative for Trade Negotiations, Office of.....	15751
Railroad Retirement Board.....	15719
Renegotiation Board.....	15721
Securities and Exchange Commission.....	15727
Selective Service System.....	15728
Small Business Administration.....	15729
Smithsonian Institution.....	15734
National Museum.....	15599
State Department.....	15752
International Development Agency.....	15341
Tariff Commission.....	15807

	Beginning Entry
Transportation Department	
Coast Guard.....	14876
Federal Aviation Administration.....	15236
Air Traffic Service.....	14784
Airports Service.....	14786
Aviation Medicine Office.....	14811
Flight Standards Service.....	15269
Federal Highway Administration	
Public Roads Bureau.....	15718
Treasury Department.....	15810
Customs Bureau.....	15179
Internal Revenue Service.....	15334
Veterans Administration.....	15815

Monthly Catalog

NO. 873 • October 1967

ADMINISTRATIVE OFFICE OF UNITED STATES COURTS Washington, D.C. 20543

- 14730 Report of proceedings of Judicial Conference of United States, Sept. 22-23, 1966. vi+29-70 p. [Also issued as H. doc. 37, 90th Congress, 1st session.]
† • Item 729
L.C. card 41-18702 Ju 10.10 : 966
- 14731 — Mar. 30-31, 1967. 1967. vi+51 p. [Also issued as H. doc. 153, 90th Congress, 1st session.] † • Item 729
L.C. card 41-18702 Ju 10.10/2 : 967

AGING ADMINISTRATION, Health, Education, and Welfare Dept. Washington, D.C. 20201

NOTE.—The Administration on Aging has been assigned to the Social and Rehabilitation Service which was established August 15, 1967, by the Secretary of the Department of Health, Education, and Welfare in a major realignment of Federal welfare rehabilitation and social welfare service programs.

- 14732 Aging; [Olivia W. Coulter, editor]. [Monthly. Issued by Administration on Aging, Welfare Administration, and classified FS 15.10:(nos.), prior to no. 155, Sept. 1967.] * Paper, \$1.00 a yr., 50c additional for foreign mailing; single copy, 10c. (1-3 yr. subs.). • Item 444-A
FS 17.309:(nos.)
no. 155— Sept. 1967—

AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

ARS (series).

- 14733 33-120. Procedures for screening and testing alfalfa for resistance to alfalfa seed chalcid; by M. W. Nielson. Aug. 1967. 10 p. il. 4° †
L.C. card Agr 67-315 A 77.15 : 33-120
- 14734 Plant quarantine import requirements of South Africa. Aug. 14, 1967. 26 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes summary dated Dec. 16, 1966.] †
A 77.329 : So 87af/967

AGRICULTURE DEPARTMENT Washington, D.C. 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

Agriculture handbooks. • Item 3 A 1.76:(nos.)

- 14735 297. Equipment for applying soil pesticides [with list of selected references; by O. K. Hedden, J. D. Wilson, and J. P. Steesman]. [Jan. 1966, slightly revised July 1967.] [1967.] [2]+37 p. il. (Agricultural Research Service.) [Prepared in cooperation with Ohio Agricultural Research and Development Center.] * Paper, 20c.

☛For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
•Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Agriculture handbooks—Continued

- 14736 340. Materials evaluated as insecticides, repellents, and chemosterilants at Orlando and Gainesville, Fla., 1952-64; [by Entomology Research Division], Agricultural Research Service. [Aug. 1967.] [3]+424 p. 4° * Paper, \$2.50.
- 14737 342. USDA grade names for food and farm products. [Aug. 1967.] 34 p. 4° (Consumer and Marketing Service, Information Division.) [Supersedes Agriculture handbook 157, Grade names used in U.S. standards for farm products.] * Paper, 25c.

Agriculture information bulletin.

- 14738 319. Science and improving our environment; [prepared by Agricultural Research Service]. [June 1967.] [4]+8 p. il. 4° † ● Item 4 A 1.75:319

Farmers' bulletins. ● Item 9

A 1.9:(nos.)

- 14739 2003. Legume inoculation, what it is, what it does; [by Lewis W. Erdman]. [Revised Aug. 1967.] [1967.] il+10 p. il. ([Soil and Water Conservation Research Division; Agricultural Research Service.]) * Paper, 10c. L.C. card Agr 67-312
- 14740 2160. Growing blackberries; [prepared by Crops Research Division, Agricultural Research Service]. [Revised Sept. 1967.] [1967.] il+10 p. il. * Paper, 10c. L.C. card Agr 67-314
- 14741 2191. Trefoil production for pasture and hay; [prepared by Crops Research Division, Agricultural Research Service]. [Revised July 1967.] [1967.] 16 p. il. * Paper, 10c.
- 14742 2201. Growing ginseng; [by Llewelyn Williams]. [Slightly revised Sept. 1967.] [1967.] 8 p. il. ([Crops Research Division, Agricultural Research Service.]) [Supersedes Farmers' bulletin 1184, Ginseng culture.] * Paper, 5c. L.C. card Agr 67-324

Home and garden bulletins. ● Item 11

A 1.77:(nos.)

- 14743 59. Simplified clothing construction. [Mar. 1959, slightly revised July 1967.] [1967.] 32 p. il. 4° ([Agricultural Research Service.]) [Supersedes Farmers' bulletin 1954, Making a dress at home.] * Paper, 25c. L.C. card Agr 67-326
- 14744 74. Food and your weight; [by Louise Page and Lillian J. Fincher]. [Nov. 1960, slightly revised July 1967.] [1967.] [2]+30 p. il. ([Consumer and Food Economics Research Division, Agricultural Research Service.]) * Paper, 15c.

Leaflets. ● Item 12

A 1.35:(nos.)

- 14745 268. Eat good breakfast to start good day; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Revised Apr. 1959, slightly revised Aug. 1967.] [1967.] [8] p. il. narrow 8° * Paper, 5c.
- 14746 408. Facts about pasteurization of milk; [prepared by Eastern Utilization Research and Development Division, Agricultural Research Service]. [Dec. 1956, slightly revised May 1967.] [1967.] [6] p. il. narrow 8° [Supersedes Leaflet 177, Pasteurization of milk.] * Paper, 5c.
- 14747 411. Corn earworm in sweet corn, how to control it; [prepared by Entomology Research Division, Agricultural Research Service]. [Revised June 1967.] [1967.] [6] p. il. [One illustration is colored.] * Paper, 15c.
- 14748 420. Blackleg of cattle; [prepared by Animal Disease and Parasite Research Division, Agricultural Research Service]. [1957, slightly revised Aug. 1967.] [1967.] 4 p. il. [Supersedes Farmer's bulletin 1355, Blackleg, its nature, cause, and prevention.] * Paper, 5c.
- 14749 496. Field bindweed and its control; [by W. M. Phillips]. [Revised July 1967.] [1967.] 8 p. il. ([Crops Research Division, Agricultural Research Service.]) * Paper, 5c. L.C. card Agr 67-316
- 14750 546. Rescue foot in cattle, what to do about it; [by Robert C. Buckner and Donald E. LaBore]. [July 1967.] 6 p. il. * Paper, 5c. L.C. card Agr 67-317

Marketing research report.

- 14751 792. Insect damage to corn in 3 southeastern States at time of harvest and in farm storage; [by W. G. Eden]. [Aug. 1967.] [2]+9 p. 4° (Agricultural Research Service.) [Prepared under USDA contract 12-25-010-5317, Sept. 11, 1962, with Auburn University Agricultural Experiment Station, Auburn, Ala.] * Paper, 10c. ● Item 13-B L.C. card Agr 67-327 A 1.82:792

Miscellaneous publications. ● Item 13-A

A 1.38:(nos.)

- 14752 739. National poultry and turkey improvement plans and auxiliary provisions. [Revised Sept. 1967.] [1967.] cover title, 43 p. il. ([Animal Husbandry Research Division, Agricultural Research Service.]) [Test on p. 2 of cover.] * Paper, 25c. L.C. card Agr 67-69

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14753 1053. Challenges in forage and range research; [prepared by Forage and Range Research Branch, Crops Research Division]. [July 1967.] 32 p. il. 4° [Agricultural Research Service.] * Paper, 25c.
L.C. card Agr 67-318

PA [Program aid] (series). ● Item 14-A A 1.68:(nos.)

- 14754 683. You too can get help. [Nov. 1965, slightly revised Aug. 1967.] [1967.] 24 p. il. 4° * Paper, 20c.
- 14755 775. Avian tuberculosis in hogs, costly livestock disease; [prepared by Animal Health Division, Agricultural Research Service]. [Aug. 1967.] [6] p. il. narrow 8° †
- 14756 805. Questions & answers on equine infectious anemia (swamp fever); [prepared by Animal Health Division, Agricultural Research Service]. [Aug. 1967.] 6 p. il. narrow 8° †
- 14757 806. Progress under agricultural conservation program (highlights of 1966). May 1967. [4] p. narrow 8° (Agricultural Stabilization and Conservation Service.) †
- 14758 813. Flue-cured tobacco referendum. June 1967. [4] p. narrow 12° (Agricultural Stabilization and Conservation Service.) †

Production research report.

- 14759 97. Effects of grid-bar air wash on efficiency of lint cleaners and fiber quality of cotton; [by Gino J. Maugialardi, Jr., and Oliver L. McCaskill]. [Aug. 1967.] [3]+20 p. il. 4° (Agricultural Research Service.) * Paper, 20c. ● Item 13-C
L.C. card Agr 67-328 A 1.84: 97

Statistical bulletins. ● Item 15 A 1.34:(nos.)

- 14760 408. Fertilizer use in United States, by crops and areas, 1964 estimates, [by D. B. Ibach and J. R. Adams]. [Aug. 1967.] cover title, 384 p. il. 4° (Economic Research Service and Statistical Reporting Service.) [Text on p. 2 of cover.] * Paper, \$1.75.
L.C. card Agr 67-321
- 14761 411. Vegetables for processing acreage, production, value by States, 1959-65 revised estimates. Aug. 1967. 56 p. 4° (Statistical Reporting Service, Crop Reporting Board.) * Paper, 30c.
L.C. card Agr 53-243
- 14762 412. Vegetables for fresh market, acreage, production, and value, 1959-65, vegetables, melons, mint for oil, strawberries, revised estimates by seasonal groups and States. Aug. 1967. 196 p. 4° (Statistical Reporting Service, Crop Reporting Board.) * Paper, \$1.00.
L.C. card Agr 53-239

Technical bulletins. ● Item 16 A 1.36:(nos.)

- 14763 1349. Landscape evolution and soil formation in southwestern Iowa [with list of literature cited; by] Robert V. Ruhe, Raymond B. Daniels, and John G. Cady. June 1967. [1]+vi+242 p. il. 6 pl. in pocket. (Soil Conservation Service.) [Prepared in cooperation with Iowa Agriculture and Home Economics Experiment Station, Iowa Geological Survey. Some plates are colored.] †
L.C. card Agr 67-325
- 14764 1371. Effects of cattle grazing on ponderosa pine-bunchgrass range in Colorado [with list of literature cited; by] Dwight R. Smith. July 1967. [4]+60 p. il. (Forest Service.) [Replaces USDA circular 929, Dec. 1953.] * Paper, 40c.
L.C. card Agr 67-323
- 14765 1374. Malnutrition of young cattle, effect on feed utilization, eventual body size, and meat quality [with list of literature cited; by] Clarence F. Winchester, R. E. Davis, and R. L. Hiner]. [Aug. 1967.] [2]+26 p. il. (Agricultural Research Service.) * Paper, 15c.
L.C. card Agr 67-311

AIR FORCE DEPARTMENT, Defense Dept. Washington, D.C. 20330

AFOSR (series). (Air Force Office of Scientific Research, Office of Aerospace Research.)

- 14766 67-1247. Move the information, kind of missionary spirit [with bibliography; by] Rowena W. Swanson. June 1967. [1]+vii+192 p. il. [Prepared for presentation at 75th annual meeting, American Society for Engineering Education, Michigan State University, East Lansing, June 19-22, 1967.] [Text on p. 2 of cover.] † ● Item 422-B
D 301.45/19-2: 67-1247

Air Force manual AFM (series).

- 14767 66-1E. Depot, field and organizational maintenance: Maintenance management. [June 15, 1966]; Change, effective Sept. 1, 1967. Aug. 25, 1967. [140] p. 4° [Issued in looseleaf form.] † ● Item 421 D 301.7: 66-1E/4
- 14768 75-33. See Army Department, Army regulation 55-353.

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

Page 3

GOVERNMENT PUBLICATIONS

School of Aerospace Medicine: Aeromedical reviews. (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.)

- 14769 3-67. Instructions to supplement teaching oral hygiene; [by] Timothy J. O'Leary, Claude L. Nabers. June 1967. [1]+19 p. il. (Dental Sciences Division.) ‡ D 301.26/13-4:3-67
- Technical report SAM-TR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.) ‡ D 301.26/13-6:(nos.)
- 14770 65-329. Sodium and water excretion and renal hemodynamics during lower body negative [with list of references; by] Charles A. Gilbert et al. Nov. 1966. cover title, 1699-1704+[2] p. il. 4° ([Task 775502.]) [Reprinted from Journal of applied physiology, v. 21, no. 6, Nov. 1966.]
- 14771 66-201. In-vivo inactivation of factor VIII (antihemophilic globulin) by hydrazine, its relation to fibrinolytic mechanism [with list of references; by] Jarrell E. Barrington. Jan. 1967. cover title, 5-9+[2] p. il. 4° [Reprinted from Aerospace medicine, v. 38, no. 1, Jan. 1967.]
- 14772 66-218. Colorectal polypoid lesions [with list of references; by] Thomas F. Camp, Jr. Oct. 1966. cover title, 625-630+[2] p. il. 4° ([Project 7755-07-003.]) [Reprinted from Archives of surgery, v. 93, Oct. 1966. Copyright 1966, by American Medical Association.]
- 14773 66-224. Effect of monomethylhydrazine on methemoglobin production in vitro and in vivo [with list of references; by] Sidney R. Fortney, Dale A. Clark. Mar. 1967. cover title, 239-242+[2] p. il. 4° ([Task 775301.]) [Reprinted from Aerospace medicine 38 (3).]
- 14774 66-264. Studies on mechanism of substrate protection of enolase and lactic dehydrogenase against ionizing radiation [with list of references; by] Jack A. Winstead, Arthur E. Gass, Jr. Feb. 1967. cover title, 208-216+[2] p. 4° ([Project 7757.]) [Reprinted from Radiation research, v. 30, no. 2, Feb. 1967. Copyright 1967 by Academic Press, Inc.]
- 14775 66-271. Inhibition of aromatic L-amino acid decarboxylase by decarborane [with list of references; by] James H. Merritt, Thomas S. Sulowski. 1967. cover title, 369-373+[2] p. il. 4° [From Biochemical pharmacology, 1967, v. 16.]
- 14776 66-291. Effect of -7G_x acceleration on renal excretion of solutes in rabbits [with list of references; by] Lee A. Bricker et al. Jan. 1967. cover title, 35-38+[2] p. il. 4° ([Task 793003.]) [Reprinted from Aerospace medicine, v. 38, no. 1, Jan. 1967.]
- 14777 66-296. Metabolic effects of prolonged bed rest, their modification by simulated altitude [with list of references; by] Theodore N. Lynch, et al. Jan. 1967. cover title, [1]+11-20+[2] p. il. 4° [Reprinted from Aerospace medicine, v. 38, no. 1, Jan. 1967.]
- 14778 66-305. Decompression sickness in high-altitude flight [with list of references; by] Willard L. Meader. Mar. 1967. cover title, 301-303+[2] p. il. 4° [Reprinted from Aerospace medicine, v. 38, no. 3, Mar. 1967.]
- 14779 67-40. Mineral nutrient requirements of *Chlorella sorokiniana* in continuous pure culture [with list of references; by] H. Clyde Eyster. May 1967. cover title, v+53+[2] p. il. 4° ([Task 793001.])
- 14780 67-42. Body volume of adult men [with list of references; by] Chester L. Ward. June 1967. cover title, iii+5+[2] p. il. 4° ([Task 775801.])
- 14781 67-45. Incidence of ear, nose, and throat diseases in 400 space and test pilot candidates [with list of references; by] William L. Mitchell, Morgan E. Wing, Frederick G. Collins. May 1967. cover title, iii+15+[2] p. il. 4° ([Task 775508.])
- 14782 67-47. Allergy and sinus disease in aviators [with list of references; by] Frederick G. Collins, Morgan E. Wing. May 1967. cover title, iii+5+[2] p. 4° ([Project 7755, task 775508.]) [Prepared in Ear, Nose, and Throat Branch.]
- 14783 United States Air Force, Air Force Systems Command. [1967.] cover title, [24] p. il. oblong 12° [Text on p. 2-3 of cover.] ‡ D 301.45: Ai 7

AIR TRAFFIC SERVICE, Transportation Dept. Washington, D.C. 20553

- 14784 En route air traffic control, Change 1. [July 31, 1967.] [32] p. il. 4° (7110.9, Chg. 1.) [Effective Oct. 1, 1967. Cancellation date Jan. 1, 1968. Issued in looseleaf form.] ‡ • Item 431-D-1 TD 4.308: En 1/ch.1
- 14785 Terminal air traffic control, Change 1. [July 25, 1967.] [55] p. il. 4° (7110.8 Chg. 1.) [Effective Oct. 1, 1967. Cancellation date Jan. 1, 1968. Issued in looseleaf form.] ‡ • Item 431-D-1 TD 4.309: T 27/ch.1

AIRPORTS SERVICE, Transportation Dept. Washington, D.C. 20553

- 14786 Airport, its influence on community economy [with bibliography]; prepared by Systems Planning Division. 1967. vi+79 p. il. oblong 12° [Text on p. 2 of cover.] ‡ • Item 982-E-1 L.C. card 67-62435 TD 4.102.Ai 7

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

AMERICAN BATTLE MONUMENTS COMMISSION
Washington, D.C. 20421

- 14787 American memorials and overseas military cemeteries. 1967. [40] p. il. 4°, folded into narrow 8° size. † ● Item 1050 Y 3.Am 3: C 33/967

ARMY DEPARTMENT, Defense Dept.
Washington, D.C. 20310

AMC pamphlet. (Army Materiel Command.)

- 14788 335-1. Reports, register of approved recurring reports, June 1967, cover title, v+188 p. 4° [Quarterly, issued with perforations. Supersedes AMCP 335-1, Mar. 31, 1967.] † ● Item 322-A D 101.22/3: 335-1/10
L.C. card 66-60118

Army Materiel Command regulations AMCR (series).

- 14789 385-224. Safety, AMC safety manual, Change 14, Apr. 14, 1967. [29] p. 16° [Issued with perforations. Supersedes Change 11, Oct. 30, 1964.] * Paper, 15c. ● Item 323 D 101.9/2: 385-224/ch.14

Army regulation AR (series).

- 14790 55-353. Transportation and travel: Freight descriptions and suffixes; [Change] 1, July 17, 1967. [220] p. 4° ([Navy Dept.] NAVSUP pub 454, CH-1; [Air Force Dept.] AFM 75-33, C 1; [Marine Corps] MCO P4610.10A, Ch-1; [Defense Dept.] DSAR 4540.1, Ch 1.) [Issued with perforations. Supersedes AR 55-353/MCO P4610.10A/DSAR 4540.1, Oct. 1963.] * Paper, \$1.25. ● Item 323 D 101.9: 55-353/ch.1

Cold Regions Research & Engineering Laboratory, Hanover, H.H.: CRREL report. (Army Materiel Command.)

- 14791 12, v. 21. Bibliography on snow ice and frozen ground, with abstracts; [prepared by Frank M. Marson and others]. June 1967. vi+290 p. 4° [Includes abstracts SLP 24201-25200.] † L.C. card 53-60024 D 103.33: 12/v.21

— Research report.

- 14792 218. Phase composition of frozen montmorillonite-water mixtures from heat capacity measurements [with list of literature cited]; by Duwayne M. Anderson. May 1967. iv+10+[2] p. il. 4° (DA task 1V014501B52A02.) † Paper, \$3.00. D 103.33/3: 218

Cold regions science and engineering: pt. 1, Environment. (Cold Regions Research & Engineering Laboratory, Hanover, N.H., Army Materiel Command.)

- 14793 1-A3a. Sec. A3, Climatology: Introduction, Northern Hemisphere 1 [with selected bibliographies]; by C. Wilson. June 1967. vii+141+[2] p. il. 4° (DA project 1V025001A130.) [Errata 1 p., issued also.] † Paper, \$3.00. D 103.33/7: 1-A3a
14794 1-A3d. Same: Radioactive fallout in northern regions [with selected bibliography]; by C. Wilson. Feb. 1967. v+35+[2] p. il. 4° (DA project 1V025001A130.) [Errata 1 p., issued also.] † D 103.33/7: 1-A3d

Pamphlets. ● Item 327

D 101.22:(nos.)

- 14795 210-1. United States Army installations and major activities in continental United States, Aug. 1967, cover title, 18+[1] p. 4° [Issued with perforations. Supersedes DA pam 210-1, Sept. 1, 1966.] * Paper, 20c. L.C. card 55-63776
14796 360-229. Troop topics: Barbed wire command. [July 17, 1967.] cover title, 16 p. il. 4° [Text on p. 2 and 3 of cover.] †
14797 608-8. Helpful hints for personnel ordered to Canal Zone, U.S. Army Forces, Southern Command, June 1967, cover title, 31 p. small 4° [Text on p. 2 of cover. Supersedes DA Pam 608-8, Sept. 30, 1964.] †
14798 608-15. Helpful hints for personnel ordered to 8th U.S. Army, Korea. [June 14, 1967.] cover title, vi+38 p. small 4° [Supersedes DA Pam 21-97, Jan. 4, 1960, including C1, Oct. 5, 1962.] †
14799 715-50-61. Procurement legal service, July 24, 1967. 8 p. 4° [Issued with perforations.] * Paper, 5c.
14800 715-50-62. Same: July 24, 1967. 7 p. 4° [Issued with perforations.] * Paper, 5c.

Technical manual TM (series). † ● Item 329

D 101.11:(nos.)

- 14801 10-269. General repair for canvas and webbing, Change 3, July 3, 1967. 9 p. il. 4° [Issued with perforations. Supersedes Change 2, Sept. 8, 1965.]
14802 10-401. Army food adviser [with list of references]. June 1967, cover title, 34 p. il. 4° [Issued with perforations. Supersedes TM 10-401, June 17, 1964.]

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Technical manual TM (series)—Continued

- 14803 743-200. Storage and materials handling, Change 7; July 20, 1967. 1967. [21] p. il. 4° [Issued with perforations.]

Technical research note. (Behavioral Science Research Laboratory.)

- 14804 182. Influence of screening and overlapping imagery on speed and accuracy of photo interpretation; by Norman E. Willmorth and Abraham H. Birnbaum. Apr. 1967. [8]+37 p. 4° (Support Systems Research Division; Army project 2J620901A721, contract DA-49-092-ARO-65, interpreter techniques a-13.) Φ Paper, \$3.00 (AD 654347). D 161.60:182

USATEA report. (Army Transportation Engineering Agency, Military Traffic Management and Terminal Service, Fort Eustis, Va.)

- 14805 67-4. Engineering report: Rail impact testing on long travel shock mounts, models 230 and 570 [with selected bibliography]; prepared by C. O. Butler. July 1967. vi+176+[2] p. il. 4° † D 117.11:67-4

ARMY MEDICAL SERVICE, Defense Dept. Washington, D.C. 20310

Army Medical Research and Nutrition Laboratory, Fitzsimons General Hospital, Denver, Colo., laboratory reports. † D 104.17:(nos.)

- 14806 308. Energy, nitrogen, and water requirements of normal adults residing at 4300 meters for 28 days [with bibliography]; by C. Frank Consolazio [and others]. July 1967. ii+19+[8] p. il. 4° (Project 3A025601A827 military environmental medicine, task 01, work unit 070 high altitude bioenergetics.)
- 14807 309. Nutrition survey, Fort Huachuca, Ariz., Mar.-Apr. 1966 [with bibliography]; by C. Frank Consolazio [and others]. Apr. 1967. iii leaves+37+[2] p. 4° (Project 3A025601A822 military internal medicine, task 01, work unit 073 applied nutrition studies of military populations.)

ATOMIC ENERGY COMMISSION Washington, D.C. 20545

AEC research and development reports. Y 3.At 7:22/(letters-nos.)

- 14808 CONF-660527. Use of computers in analysis of experimental data and control of nuclear facilities, proceedings of symposium at Argonne National Laboratory, Argonne, Ill., May 4-8, 1966, sponsored by Argonne Laboratory and Atomic Energy Commission [with bibliographies; edited by Janice M. Asber]. May 1967. viii +300 p. il. ([AEC symposium series 10]; Division of Technical Information.) Φ Paper, \$3.00. L.C. card 67-60057
- 14809 COO-578P28-10. Feasibility of isotopic X-ray sources for portable stress analysis equipment [with list of references]; by R. A. Semmler. Apr. 1967. cover title, viii+71 p. il. 4° (ITT Research Institute, Chicago, Ill.; [contract AT(11-1)-578, project agreement 28].) Φ Paper, \$3.00.
- 14810 Telephone directory, U.S. Atomic Energy Commission, Headquarters, Germantown, Md. Aug. 1967. cover title, v+56+[2] p. il. 4° [Text on p. 2 of cover.] * Paper, 40c. Y 3.At 7:55/967

AVIATION MEDICINE OFFICE, Transportation Dept. Washington, D.C. 20553

Aviation medical education series.

- 14811 5. Alcohol & flying don't mix! [1967.] [6] p. narrow large 8° † ● Item 431-E-6 TD 4.209:5

Aviation medical report AM (series).

- 14812 67-4. Protective passenger smoke hood [with list of references; by] Ernest B. McFadden, II, I. Reynolds (G. T. Schjeldahl Company), and Gordon E. Funkhouser. Apr. 1967. [4]+7 [2] p. il. 4° Φ Paper, \$3.00. TD 4.210:67-4

BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce Dept., Washington, D.C. 20230

- 14813 Industry profiles, 1958-65. [1967.] xxxvi+137 p. 4° * Paper, \$1.00. ● Item 215 C 41.2: In 2/25/958-65

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14814 United States lumber exports, 1966. July 1967. 10 p. 4° (Forest Products Division.) † Paper, 10c., Commerce Department, Sales and Distribution Section, Washington, D.C. 20230.
L.C. card 67-61472 C 41.101 : 966
- 14815 United States lumber imports, 1966. July 1967. 7 p. 4° (Forest Products Division.) † Paper, 10c., Commerce Department, Sales and Distribution Section, Washington, D.C. 20230.
L.C. card 66-60446 C 41.101/2 : 966

**CENSUS BUREAU, Commerce Dept.
Suitland, Md. 20233**

Area measurement reports GE-20 (series). [Prepared by Geography Division.]

- 14816 15. Areas of Illinois, 1960. July 1967. 27 p. 4° * Paper, 25c. ● Item 146-B
C 3.208/2 : 15

1963 census of manufactures: [Special report] MC63 (S)-(series).

- 14817 6. Industry descriptions. [Aug. 1967.] cover title, 29 p. 4° * Paper, 25c. ● Item
135 C 3.24/15 : 963/6

Construction reports: Building permit, C40/C42 (series).

- 14818 66-13. Housing authorized by building permits and public contracts, 1966. [1967.] cover title, [2]+360 p. ll. 4° ([Construction Statistics Division.]) [Combines two annual Construction reports previously published separately: Series C40, Housing authorized in individual permit-issuing places, and Series C42, Housing authorized in permit-issuing places, summary statistics.] * Paper, \$1.50. ● Item 140-A (Rev.)
L.C. card A63-7410 C 3.215/4 : C 40/C 42-66-13

County business patterns CBP (series). ([Business Division.]) [Prepared in cooperation with Social Security Administration.] ● Item 133-A
L.C. card 49-45747 C 3.204 : (nos.)

- 14819 66-19. Kentucky, 1966, errata sheet. July 1967. 1 p. 4° †
14820 66-27. Missouri, 1966, errata sheet. July 1967. 1 p. 4° †
14821 66-34. New York, 1966, errata sheet. July 1967. 1 p. 4° †
14822 66-37. Ohio, 1966, errata sheet. July 1967. 1 p. 4° †
14823 66-41. Rhode Island, 1966, errata sheet. July 1967. 1 p. 4° †
14824 66-45. Texas, 1966. [Aug. 1967.] cover title, viii+221 p. ll. 4° * Paper, \$1.50.

- 14825 Current industrial reports: Brassieres, corsets, and allied garments, 1966 (preliminary). July 24, 1967. 2 p. 4° (Series MA-23J (66)-1.)
† Paper, 25c. ● Item 142-A C 3.158 : MA-23J (66)-1/prelim.

- 14826 — Broadwoven fabrics, blends and mixtures, 1965. July 20, 1967. 16 p. 4° (Series M22T (65)-supplement.) † Paper, 25c. ● Item 142-A
C 3.158 : M 22T (65)/supp.-2

- 14827 — Clay construction products, summary for 1966, Change sheet. Aug. 3, 1967. 1 p. 4° (Series M32D (66)-13.) † ● Item 142-A
C 3.158 : M 32D (66)-13/ch.

- 14828 — Flour milling products, summary for 1965 and 1966. Aug. 25, 1967. 4 p. 4° (Series M20A (66)-13.) † Paper, 15c. ● Item 142-A
C 3.158 : M 20A (66)-13

- 14829 — Inventories of steel mill shapes, summary for 1966, Change sheet. Aug. 22, 1967. 1 p. 4° (Series M33-3 (66)-13.) † ● Item 142-A
C 3.158 : M 33-3 (66)-13/ch.

- 14830 — Nonferrous castings, summary for 1966. Aug. 22, 1967. 9 p. 4° (Series M33E (66)-11.) † Paper, 15c. ● Item 142-A
C 3.158 : M 33E (66)-11

Current population reports: Series P-25, Population estimates. * Paper, \$5.00, (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.50 additional for foreign mailing; single copy prices vary. ● Item 142-C

- 14831 371. Estimates of population of standard metropolitan statistical areas, July 1, 1965, with estimates for metropolitan counties and components of population change, 1960-65. Aug. 14, 1967. cover title, ii+42 p. ll. 4° [Prepared in State and Local Population Estimates and Projections Branch, Population Division, in connection with contractual arrangement to provide data for metropolitan areas to Office of Civil Defense.] * Paper, 15c. ● Item 142-C C 3.186 : P-25/371

GOVERNMENT PUBLICATIONS

Current population reports: Series P-65, Consumer buying indicators.
 * Paper, \$5.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60 and P-65 for one year), \$1.50 additional for foreign mailing; single copy prices vary.

- 14832 18. Special report on household ownership and purchases of automobiles and selected household durables, 1960-67. Aug. 11, 1967. ii+24 p. 4° * Paper, 15c. ● Item 142-C C 3.186: P-65/18

- 14833 Education of American population; by John K. Folger and Charles B. Nam. [1967.] ix+290 p. il. (1960 Census monograph.) [Prepared in cooperation with Social Science Research Council.] * Cloth, \$2.25. ● Item 154-A (Rev.) L.C. card A66-7677 C 3.30: Ed 8

- 14834 Statistical abstract of United States, 1967 [National data book and guide to sources]. 88th annual edition. [1967.] [1]+xii+1050 p. il. [Prepared under direction of Edwin D. Goldfield, chief, Statistical Reports Division. Includes copyright material. Also issued as H. doc. 94, 90th Cong. 1st sess.] * Cloth, \$4.00. ● Item 150 L.C. card 4-18089 C 3.134: 967

- 14835 U.S. census of population, 1960: Subject reports, final report PC(2) (series).
 pt. 5C. Socioeconomic status, socioeconomic measures by age, race, nativity, marital status, fertility, income, housing, etc. [1967.] xlix+268 p. il. 4° * Paper, \$1.75. ● Item 159 C 3.223/10: 960/v.2/pt.5C

- 14836 U.S. imports for consumption and general imports, TSUSA [tariff schedules of United States annotated] commodity and country, annual 1966. [Aug. 1967.] cover title, vii+521 p. 4° ([Foreign trade report] FT 246.) [Corrected through Dec. 1966 statistics.] * Paper, \$3.00. ● Item 144 C 3.164: 246/966

United States census of agriculture, 1964: v. 1 [State and county statistics], farms, farm characteristics, livestock and products, crops, fruits, values, pt. [Prepared in Agriculture Division. [Supersedes statistics shown in preliminary reports, series AC64-Pl.] C 3.31/4: 964/v.1/pt. (nos.)

- 14837 36. Oklahoma. [1967.] [4]+437+[25] p. il. 4° * Paper, \$3.00. ● Item 152-A-25
 14838 49. Alaska. [1967.] [4]+112+[25] p. il. 4° * Paper, \$1.25. ● Item 152-A-34
 14839 50. Hawaii. 1967. [4]+206+[25] p. il. 4° * Paper, \$1.75. ● Item 152-A-35

CHILDREN'S BUREAU, Health, Education, and Welfare Dept. Washington, D.C. 20201

NOTE.—The Children's Bureau has been assigned to the Social and Rehabilitation Service which was established August 15, 1967, by the Secretary of the Department of Health, Education, and Welfare in a major realignment of Federal welfare rehabilitation and social welfare service programs. The Welfare Administration was disbanded on the same date.

- 14840 Children, interdisciplinary journal for professions serving children; [Kathryn Close, editor]. [Bimonthly, with separate volume indexes. Prior to v. 14, no. 5, Sept.-Oct. 1967, issued by Children's Bureau, Welfare Administration, and classified FS 14.109: (v. nos. & nos.).] * Paper, \$1.25 a yr., 50c additional for foreign mailing; single copy, 25c, index, 5c (1-3 yr. subs.). ● Item 449 L.C. card 56-43779 FS 17.209: (v.nos.& nos.)
 v. 14, no. 5— Sept.-Oct. 1967—

CIVIL AERONAUTICS BOARD Washington, D.C. 20428

- 14841 Regulations of Civil Aeronautics Board [as amended to Nov. 1, 1963, new and revised pages]; July 31, 1967. [1967.] [90] p. 4° [Includes transmittal sheet 35. Issued in looseleaf form.] * Paper, \$6.50 (including basic book and supplementary service for an indefinite period); \$2.00 additional for foreign mailing. ● Item 186 C 31.206/7: 963/trans.35

*For Sale by Superintendent of Documents
 †Distribution Made by Issuing Office
 ‡Official Use. Not Available

**CIVIL DEFENSE OFFICE (Army), Defense Dept.
Washington, D.C. 20310**

- 14842 Federal civil defense guide: pt. G, chap. 5 (with appendices 1-21), Actions for increasing local government civil defense readiness. July 1967. [65] p. 4° [Issued in looseleaf form. Supersedes pt. G, chap. 5, dated Feb. 1965.] † ● Item 320-B-3 D 119.8/4: pt.G/chap.5 967

Handbook H (series).

- 14843 11-4. Meetings that move, to inform to stimulate, to involve, to motivate, guide to successful meetings on civil defense, seminar and workshop on community shelter planning. Aug. 1967. cover title, 19 p. il. 4° [Issued with perforations.] † ● Item 857-0-10 D 119.8/2: 11-4

[Miscellaneous publication] MP (series). ● Item 857-D-11

D 119.11: (nos.)

- 14844 45. State civil defense directors: [prepared by Field Services Division, Plans and Operations]. Mar. 1967. [1]+11 p. 4° [Issued with perforations. Supersedes Oct. 1966 edition and Changes 1-8.] †

- 14845 49. References, Office of Civil Defense labor courses. July 1967. [1]+13 p. il. 4° †

Student manual SM (series).

- 14846 5.6. Civil defense, U.S.A., programmed orientation to civil defense: Panel book [to accompany programmed text]. June 1967. cover title, [103] p. il. 4° (Staff College.) [Material current as of June 1967.] † ● Item 320-B-1 D 119.8/8: 5.6

Technical report TR (series).

- 14847 20. Shelter design and analysis: v. 1, Fallout radiation shielding: [by Architectural and Engineering Development Center, Department of Civil Engineering, Worcester Polytechnic Institute, Worcester, Mass.]. July 1967. cover title, [1]+xx+[450] p. il. 4° ([Contract OCD-PS-66-5.]) [Issued with perforations. Supersedes June 1965 edition.] † ● Item 320-B-2 D 119.9: 20/2/v.1

**CIVIL RIGHTS COMMISSION
Washington, D.C. 20425**

- 14848 Civil rights status of Spanish-speaking Americans in Kleberg, Nueces, and San Patricio Counties, Tex.; by Texas State Advisory Committee to United States Commission on Civil Rights. July 1967. [3]+ii+32 p. 4° † ● Item 288-A CR 1.2: Sp 2

Clearinghouse publications. † ● Item 288-A CR 1.10: (nos.)

- 14849 8. Schools can be desegregated [with bibliography]. June 1967. cover title, 16 p. il. narrow 8° L.C. card 67-62448

- 14850 9. Education parks, appraisals of plans to improve educational quality and desegregate schools [articles, with bibliography]. Oct. 1967. vii+104 p. il. L.C. card 67-62434

- 14851 Employment, administration of justice, and health services in Memphis-Shelby County, Tenn.; by Tennessee State Advisory Committee to United States Commission on Civil Rights. Aug. 1967. x+84 p. 4° † ● Item 288-A L.C. card 67-62443 CR 1.2: M 51

- 14852 Housing codes and their enforcement in 6 Connecticut cities; by Connecticut State Advisory Committee to United States Commission on Civil Rights. July 1967. iv+34 p. 4° [Includes list of footnotes.] † ● Item 288-A CR 1.2: H 81/6

- 14853 Statement before Commission on Civil Rights, by Owen B. Kiernan, Commissioner of Education, Massachusetts, Boston, Mass., Oct. 5, 1966. [1967.] 6 p. [An abbreviated text appears as Exhibit 9 on pages 352-353 of Boston hearing transcript.] † ● Item 288-A

CR 1.8: H 35/966-3/ex.9

GOVERNMENT PUBLICATIONS

CIVIL SERVICE COMMISSION Washington, D.C. 20415

- 14854 Amendment 3 to announcement 388 B, equipment specialist. Aug. 29, 1967. 1 p. oblong 24° [Amends issue 178 of announcement 2279. Supersedes amendment of Nov. 22, 1966. Closing date Nov. 27, 1967.] †
CS 1.26: 966/388B/amdt.3
- 14855 Amendment to announcement WA-08-6 (local), stenographer-typist. Sept. 5, 1967. 1 p. oblong 12° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26/4: 966/WA-08-6/amdt.
- 14856 Careers in biological sciences in these fields, biology, fishery biology, microbiology, pharmacology, physiology, wildlife biology, in grades GS-5 through GS-15, announcement WA-7-36, applications continuously accepted by Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1900 E St. N.W., Washington, D.C. 20415. Sept. 19, 1967. [2]+10 p. 4° † ● Item 292 CS 1.26/4: 967/WA-7-36
- 14857 Computer technician, computer operator, grades 5-9, apply to Interagency Board of U.S. Civil Service Examiners for Washington, D.C., announcement WA-7-24. Aug. 29, 1967. 3 p. 4° [Applications continuously accepted.] † ● Item 292 CS 1.26/4: 967/WA-7-24
- 14858 Current Federal examination announcements. AN 2279, supp. B to issue 178, July-Aug. 1967. [1967.] 1 p. oblong 24° † ● Item 292 CS 1.28: 2279/178/supp.B
- 14859 — AN 2279, supp. C to issue 178, July-Aug. 1967. [1967.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/178/supp.C
- 14860 Directory, Interagency Boards of U.S. Civil Service Examiners. Aug. 1, 1967. [8] p. narrow 8° † ● Item 295 CS 1.2: In 8/6
- 14861 Discontinuance notice to announcement 280B, speech pathologist, audiologist, and audiologist-speech pathologist, grades GS-11 to 13 (nationwide for Veterans Administration), announcement B-4-3 (63), speech pathologist, audiologist, and speech pathologist-audiologist, grades GS-7 to 13 (Washington metropolitan area, various agencies). Aug. 21, 1967. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26: 962/280B/notice
- 14862 Discontinuance notice to announcement 348, digital computer systems operator, grade GS-7. Aug. 28, 1967. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Amends issue no. 178 of announcement 2279.] † CS 1.26: 964/348/notice
- 14863 Discontinuance notice [to] announcement 374 B, illustrator (grades GS-5 through GS-12). Aug. 28, 1967. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26: 965/374B/notice
- 14864 Illustrator in establishments of U.S. Government, grades GS-5 [through] GS-12, applications continuously accepted for positions in Washington, D.C. area, announcement WA-7-35. Aug. 29, 1967. 4 p. † ● Item 292 CS 1.26/4: 967/WA-7-35
- 14865 Improving service to the public, agency action programs, summary 2. June 1967. cover title, 87 p. il. 4° † ● Item 295 CS 1.2: Se 6/sum.2
- 14866 Local and regional civil service examinations offering best job opportunities, AN 2280 [issue 127], Sept.-Oct. 1967. [1967.] [2] p. oblong f°, folded into narrow 8° size. † ● Item 292 CS 1.28: 2280/127
- 14867 Maritime safety specialist, \$7,696-\$9,221 a year, (grades 9 and 11), announcement WA-7-25, apply to Interagency Board of U.S. Civil Service Examiners for Washington, D.C. 1900 E Street, D.C., 20415. Aug. 29, 1967. 4 p. 4° [Closing date Oct. 5, 1967.] † ● Item 292 CS 1.26/4: 967/WA-7-25

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14868 Mediator grades GS-11 and GS-12, \$9,221 and \$10,927 a year with National Mediation Board in Washington, D.C., apply to Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E. Street, NW., Washington, D.C. 20415, announcement WA-7-28, Aug. 29, 1967, 4 p. 4° [Closing date Oct. 5, 1967.] † ● Item 292 CS 1.26/4: 967/WA-7-28

Pamphlets. ● Item 299

CS 1.48: (nos.)

- 14869 4. Working for U.S.A., applying for civil service job, what the Government expects of Federal workers. May 1967. 32 p. il. narrow 8° * Paper, 15c.
14870 18. Your retirement system, questions and answers concerning Federal civil service retirement law. Jan. 1967, cover title, 46 p. [Text on p. 2 of cover.] * Paper, 20c.
L.C. card 44-41327

Personnel management series.

- 14871 18. Recognizing and supervising troubled employees, guide for supervisors and others who counsel troubled employees; [prepared by Bureau of Policies and Standards, with assistance of Bureau of Retirement and Insurance and Bureau of Training]. July 1967. vii+15 p. * Paper, 15c. ● Item 300-A CS 1.54: 18

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION, Commerce Dept., Springfield, Va. 22151

- 14872 Water for peace, representative list of R & D reports available from Clearinghouse. May 1967, reprinted as amended, Aug. 1967. [1]+ii+17 p. il. 4° † CS 51.11: W 29/rep.

COAST AND GEODETIC SURVEY, Commerce Dept. Washington, D.C. 20230

Publication.

- 14873 60-4. Geodetic operations in United States and in other areas through international cooperation, Jan. 1, 1963-Dec. 31, 1966, report to International Association of Geodesy of International Union of Geodesy and Geophysics, International Council of Scientific Unions; [by] John O. Phillips. 1967. vi+34 p. il. 4° * Paper, 30c. ● Item 193
L.C. card 27-26813 C 4.19/2: 60-4
- 14874 Tidal current charts, Charleston Harbor, S.C. 1st edition. [1967.] cover title, [1] p., 25 p. of maps, large 4° [Text on p. 2 of cover.] † Paper, 50c. C 4.29: C 38/967
- 14875 Tide tables, high and low water predictions, central and western Pacific Ocean and Indian Ocean, 1968, [1967.] 386 p. [Index map of tide table coverage on p. 2 of cover. Includes list of publications relating to tides and tidal currents.] † Paper, \$2.00. ● Item 196
L.C. card 7-35369 C 4.15/6: 968

COAST GUARD, Transportation Dept. Washington, D.C. 20591

- 14876 [Enlisted ratings qualifications manual, effective Sept. 1, 1967.] [Revised edition.] [1967.] [478] p. il. 4° (CG-311.) [Issued in looseleaf form. Accompanied by letter of promulgation, 1 p., dated May 10, 1967. Supersedes 1960 edition.] † ● Item 934-A TD 5.8: En 5
- 14877 Light list: v. 1. Atlantic Coast of United States, from St. Croix River, Maine to Little River, S.C. 1st, 3d and 5th Coast Guard districts, June 3, 1967 (including N.M. no. 22 of 1967). 1967. xxiv+480+20 p. il. map, 4° [Publication contains list of lights, fog signals, buoys, daybeacons, lightships, radiobeacons, and loran stations. Edge index and how to use on page 4 of cover. Some illustrations are colored. Another map on p. 2 of cover.] * Paper, \$3.25. ● Item 936
L.C. card 44-6703 TD 5.9: v.1/967
- 14878 U.S. Coast Guard Reserve INACDUTRA afloat training guide. 1967, cover title, [56] p. 4° (CG-363-2.) [Issued in looseleaf form.] † ● Item 934-A TD 5.8: T 68

☐For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 14879 United States Coast Guard Academy, New London, Conn., catalogue of courses 1967-68. [1967.] cover title, [1]+100 p. il. [Text on p. 2 of cover.]
 † ● Item 930-B TB 5.16: 967-68

COMMERCE DEPARTMENT Washington, D.C. 20230

NOTE.—Requests to the Commerce Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

Overseas business reports OBR (series). [Issued irregularly.] * Paper, \$13.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.). ● Item 231-B C 1.50:(nos.)

- 14880 67-41. Market profiles for Africa; prepared in Africa Division, Office of International Regional Economics. July 1967. 50 p. il. 4° (International Commerce Bureau.) [Supersedes OBR 66-36.]
- 14881 67-43. United States foreign trade 1960-66 (annual); [prepared in International Trade Analysis Division]. Aug. 1967. 26 p. il. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 14882 67-50. Basic data on economy of Mexico [with bibliography]; prepared by Paul S. Flores. Aug. 1967. 31 p. il. 4° (International Commerce Bureau.) [Supersedes OBR 64-13.]

CONGRESS

- 14883 Congressional record, proceedings and debates of 89th Congress, 2d session, v. 112, pt. 4, Feb. 28-Mar. 9, 1966. [Permanent edition.] 1966. [1]+4181-5494 p. 4° * Cloth, \$4.00. ● Item 993
 L.C. card 12-36438 X S9/2: 112/pt.4

NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break. Extraneous matter appearing in the Appendix is omitted from the permanent form of the Congressional record.

Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

Private laws, 90th Congress. † House or Senate Document Rooms, Capitol.

- 14884 65. H.R. 1566, act to provide for free entry of 4 octave carillon for use of Northfield and Mount Hermon Schools, East Northfield, Mass. Approved Aug. 11, 1967. 1 p.
- 14885 66. H.R. 1886, act to provide for free entry of certain articles for use of Princeton University, Princeton, N.J. Approved Aug. 11, 1967. 1 p.
- 14886 67. H.R. 3029, act to provide for free entry of one ship model for use of Lutheran Church of the Covenant, Maple Heights, Ohio. Approved Aug. 11, 1967. 1 p.
- 14887 68. H.R. 3737, act to provide for free entry of carillon for use of University of California at Riverside. Approved Aug. 11, 1967. 1 p.
- 14888 69. H.R. 4934, act to provide for free entry of one mass spectrometer for use of Indiana University. Approved Aug. 11, 1967. 1 p.
- 14889 70. H.R. 4977, act to provide for free entry of triaxial apparatus and rheognometer for use of Northwestern University. Approved Aug. 11, 1967. 1 p.
- 14890 71. H.R. 8485, act for relief of Eddie Garman. Approved Aug. 13, 1967. 1 p.
- 14891 72. H.R. 4833, act to provide for conveyance of certain real property of United States situated in Pennsylvania. Approved Aug. 21, 1967. 1 p.
- 14892 73. H.R. 7043, act to authorize and direct Secretary of Department under which Coast Guard is operating to cause vessel Northwind, owned by Wallace P. Smith, Jr., of Centerville, Md. to be documented as vessel of United States with coastwise privileges. Approved Aug. 21, 1967. 1 p.
- 14893 74. S. 95, act for relief of Rex D. Baldwin. Approved Aug. 21, 1967. 1 p.
- 14894 75. S. 650, act for relief of Anthony J. Corso. Approved Aug. 21, 1967. 1 p.
- 14895 76. H.R. 1619, act for relief of Rene Hugo Heimann. Approved Aug. 25, 1967. 1 p.
- 14896 77. H.R. 2036, act for relief of Carols Rogelio Flores-Vasquez. Approved Aug. 25, 1967. 1 p.
- 14897 78. H.R. 2668, act for relief of Sevasti Diakides. Approved Aug. 25, 1967. 1 p.
- 14898 79. H.R. 3195, act for relief of Eli Elenora Bianchi. Approved Aug. 25, 1967. 1 p.
- 14899 80. H.R. 3881, act for relief of Christina Hatzisavvas. Approved Aug. 25, 1967. 1 p.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14900 81. H.R. 7516, act for relief of Song Sin Taik and Song Kyung Ho. Approved Aug. 25, 1967. 1 p.
- 14901 82. H.R. 2470, act to provide for free entry of certain scientific instruments and apparatus for use of Tufts University, Mount Holyoke College and Massachusetts Division of American Cancer Society. Approved Aug. 28, 1967. 1 p.
- 14902 83. H.R. 4809, act for relief of Mrs. Willifred S. Shirley. Approved Aug. 29, 1967. 1 p.
- 14903 84. H.R. 5967, act for relief of Albert P. Morell. Approved Aug. 29, 1967. 1 p.
- 14904 85. H.R. 6452, act for relief of John E. Coplin. Approved Aug. 29, 1967. 1 p.
- 14905 86. H.R. 3717, act for relief of Mrs. M. M. Richwine. Approved Sept. 11, 1967. 1 p.

Public laws, 90th Congress. ● Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C. 20402, at a subscription price of \$12.00 per session, \$2.00 additional for foreign mailing; single copies vary in price.

- 14906 62. S. 1648, act to extend authority for exemptions from antitrust laws to assist in safeguarding balance-of-payments position of United States. Approved Aug. 9, 1967. 1 p. * Paper, 5c.
- 14907 63. H.R. 2532, act to provide for disposition of funds appropriated to pay judgment in favor of Ottawa Tribe of Oklahoma in docket numbered 303 of Indian Claims Commission, and for other purposes. Approved Aug. 11, 1967. 1 p. * Paper, 5c.
- 14908 64. H.R. 3631, act to provide for dedication of certain streets on Agua Caliente Indian Reservation and to convey title to certain platted streets, alleys, and strips of land. Approved Aug. 11, 1967. 1 p. * Paper, 5c.
- 14909 65. H.R. 743, act to amend Act of Sept. 26, 1950, authorizing Sacramento Valley irrigation canals, Central Valley project, Calif., in order to increase capacity of certain project features for future irrigation of additional lands. Approved Aug. 19, 1967. 1 p. * Paper, 5c.
- 14910 66. S. 1762, act to amend sec. 810 of Housing act of 1964 to extend for 3 years fellowship program authorized by such section. Approved Aug. 19, 1967. 1 p. * Paper, 5c.
- 14911 67. S. 1296, act to authorize appropriations to National Aeronautics and Space Administration for research and development, construction of facilities, and administrative operations, and for other purposes. [Approved Aug. 21, 1967.] 4 p. * Paper, 5c.
- 14912 68. H.R. 4496, act for relief of village of Brooklyn Center, Minn. Approved Aug. 21, 1967. 1 p. * Paper, 5c.
- 14913 69. S. 1282, act to authorize appropriation of funds to carry out activities of Federal Field Committee for Development Planning in Alaska. Approved Aug. 21, 1967. 1 p. * Paper, 5c.
- 14914 70. S.J. Res. 10, joint resolution to establish Golden Spike Centennial Celebration Commission. [Approved Aug. 21, 1967.] 2 p. * Paper, 5c.
- 14915 71. S. 1701, act to declare that United States holds in trust for Indians of Battle Mountain Colony certain lands which are used for cemetery purposes. Approved Aug. 21, 1967. 1 p. * Paper, 5c.

DEFENSE PRODUCTION JOINT COMMITTEE

Washington, D.C. 20510

- 14916 Defense production act progress report no. 47, hearing, 90th Congress, 1st session, on mobilization programs of Department of Interior, June 19, 1967. 1967. vi+113 p. il. † ● Item 999-A
L.C. card 51-60400 Y 4.D 36 : P 94/no.47

ECONOMIC JOINT COMMITTEE

Washington, D.C. 20510

- 14917 Coordination and integration of Government statistical programs, hearings before Subcommittee on Economic Statistics, 90th Congress, 1st session, May 17-June 8, 1967. 1967. iv+206 p. il. * Paper, 55c. ● Item 1000
L.C. card 67-62162 Y 4.Ec 7 : St 2/4
- 14918 — report of Subcommittee on Economic Statistics. 1967. v+10 p. (Joint committee print, 90th Congress, 1st session.) * Paper, 10c. ● Item 1000
L.C. card 67-62317 Y 4.Ec 7 : St 2/5
- 14919 Directory of urban research study centers, materials prepared by [Brenda Ratcliffe] committee staff, for Subcommittee on Urban Affairs; Aug. 1967. 1967. x+77 p. (Joint committee print, 90th Congress, 1st session.) * Paper, 25c. ● Item 1000
L.C. card 67-62442 Y 4.Ec 7 : Ur 1

♠For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 14920 Economic education, hearings before Subcommittee on Economic Progress, 90th Congress, 1st session, pursuant to S. Res. 316, 89th Cong., 2d sess.
 ● Item 1000
 L.C. card 67-62279 Y 4.Ec 7: Ed 8/3/v. (nos.)
 v. 1. Apr. 14-21, 1967. 1967. iii+1-107 p. * Paper, 30c.
 v. 2. Related materials. 1967. iv+109-251 p. il. * Paper, 40c.
- 14921 Urban America, goals and problems, materials compiled and prepared for Subcommittee on Urban Affairs [articles, edited by Richard F. Kaufman]; Aug. 1967. 1967. v+303 p. (Joint committee print, 90th Congress, 1st session.) * Paper, 75c.
 L.C. card 67-62444 Y 4.Ec 7: Ur 1/2

HOUSE OF REPRESENTATIVES Washington, D.C. 20515

House documents

NOTE.—All House documents, entries for which are followed by a †, may be obtained from the House Document Room or from the issuing office.

House documents, 90th Congress.

- 14922 37. Judicial Conference of United States, letter from Chief Justice, Supreme Court of United States, transmitting report of proceedings of annual meeting, held in Washington, D.C., Sept. 22-23, 1966; Jan. 10, 1967. 1967. [3] +vi+29-70 p. [Also issued in departmental edition and sent to depositories in that form. See Entry no. 14730.] †
- 14923 94. Statistical abstract of United States, 1967 [National data book and guide to sources]. 88th annual edition. [1967.] [1]+xii+1050 p. il. [Prepared under direction of Edwin D. Goldfield, chief, Statistical Reports Division. Includes copyright material.] * (Available in departmental edition, cloth, \$4.00, C 3.134:967, and sent to depositories in that form. See Entry no. 14834.)
- 14924 141. Audit report of Federal home loan banks, year ended Dec. 31, 1966, letter from Comptroller General transmitting report; July 12, 1967. 1967. vii+15 p. 4° † ● Item 996
 L.C. card 66-69576
- 14925 146. Audit of Federal Deposit Insurance Corporation, year ended June 30, 1966 (limited by Agency restrictions on access to bank examination records), letter from Comptroller General transmitting [report]; July 19, 1967. 1967. vii+24 p. 4° † ● Item 996
 L.C. card 46-26866
- 14926 148. Sweetwater River, San Diego County, Calif., letter from chief of engineers, Army, submitting report; July 24, 1967. 1967. xxxiv+116 p. il. 1 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 15228.] †
- 14927 149. Audit of Virgin Islands Corporation, fiscal year 1966, letter from Comptroller General transmitting report; July 27, 1967. 1967. v+20 p. 4° † ● Item 996
 L.C. card 46-26603
- 14928 153. Report of proceedings of Judicial Conference of United States, letter from Chief Justice, Supreme Court of United States, transmitting report of special meeting, held Washington, D.C., Mar. 30-31, 1967; Aug. 8, 1967. 1967. [3]+vi+51 p. [Also issued in departmental edition and sent to depositories in that form. See Entry no. 14731.] †
- 14929 154. 3d annual report of Atlantic-Pacific Inter-oceanic Canal Study Commission; July 31, 1967. [1967.] vi+[71] p. il. † ● 996
 L.C. card 65-62676
- 14930 155. Atchafalaya River and Bayous Chene, Boeuf, and Black, La., letter from chief of engineers, Army, submitting report on review of reports; Aug. 10, 1967. 1967. xii+76 p. il. 1 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 15224.] †

House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on private bills, 90th Congress. † House Document Room, Capitol. ● Item 1008-B

- 14931 520. Elpidio [Dimacani Damazo] and Natividad [Simsuango] Damazo. Report from Committee on Judiciary to accompany H.R. 3727. July 31, 1967. 5 p.

House reports on public bills, 90th Congress. † House Document Room, Capitol. (No. 544 is sold by Superintendent of Documents.) ● Item 1008-A

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14932 519. Declaring that United States holds in trust for Indians of Battle Mountain Colony certain lands which are used for cemetery purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 9761. July 31, 1967. 5 p.
- 14933 521. Commission on Obscenity and Pornography. Report from Committee on Education and Labor to accompany H.R. 10347. July 31, 1967. 8 p.
- 14934 522. Amending Organic act of National Bureau of Standards to authorize fire research and safety program, to establish National Commission on Fire Prevention and Control, and for other purposes. Report from Committee on Science and Astronautics to accompany H.R. 11284. July 31, 1967. 22 p.
- 14935 523. Authorizing Secretary of Interior to construct, operate, and maintain San Felipe division, Central Valley project, Calif., and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 43. Aug. 1, 1967. 11 p.
- 14936 524. Authorizing disposal of molybdenum from national stockpile. Report from Committee on Armed Services to accompany H.R. 5784. Aug. 1, 1967. 6 p.
- 14937 525. Authorizing disposal of rare-earth materials from national stockpile and supplemental stockpile. Report from Committee on Armed Services to accompany H.R. 5787. Aug. 1, 1967. 5 p.
- 14938 526. Authorizing disposal of bismuth from national stockpile and supplemental stockpile. Report from Committee on Armed Services to accompany H.R. 5788. Aug. 1, 1967. 6 p.
- 14939 527. Retirement in highest grade satisfactorily held in any armed force. Report from Committee on Armed Services to accompany H.R. 839. Aug. 1, 1967. 10 p.
- 14940 529. Modifying recoupment requirements on military disability severance pay. Report from Committee on Armed Services to accompany H.R. 5645. Aug. 1, 1967. 7 p.
- 14941 530. Amending Dependents medical care act. Report from Committee on Armed Services to accompany H.R. 8009. Aug. 1, 1967. 8 p.
- 14942 531. Amending title 37, United States Code. Report from Committee on Armed Services to accompany H.R. 8375. Aug. 1, 1967. 17 p.
- 14943 532. Providing improved promotion system for medical and dental officers of Armed Forces. Report from Committee on Armed Services to accompany H.R. 10242. Aug. 1, 1967. 17 p.
- 14944 533. Increasing statutory ceiling on authorized number of Marine Corps Reserve general officers. Report from Committee on Armed Services to accompany H.R. 11144. Aug. 1, 1967. 6 p.
- 14945 534. Additional appropriation authority for city planning and urban studies fellowship program. Report from Committee on Banking and Currency to accompany S. 1762. Aug. 2, 1967. 3 p.
- 14946 535. NASA authorization for fiscal year 1968. Conference report to accompany S. 1296. Aug. 3, 1967. 10 p.
- 14947 536. Department of Justice's handling of Veterans' Administration mortgage foreclosures. 2d report by Committee on Government Operations; Aug. 3, 1967. 1967. v+24 p.
- 14948 539. Transfer of peanut acreage allotments. Report from Committee on Agriculture to accompany H.R. 11565. Aug. 7, 1967. 10 p.
- 14949 540. District of Columbia reorganization. Report together with minority and separate views from Committee on District of Columbia to accompany H.R. 12065. Aug. 7, 1967. 47 p.
L.C. card 67-62419
- 14950 541. Providing for disposition of funds appropriated to pay judgments in favor of Sac and Fox Indians and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 10566. Aug. 7, 1967. 4 p.
- 14951 542. Consideration of H.R. 2516. Report from Committee on Rules to accompany H. Res. 856. Aug. 7, 1967. 1 p.
- 14952 543. Amending college work-study program in title 1 of Economic opportunity act of 1964. Report from Committee on Education and Labor to accompany H.R. 11945. Aug. 7, 1967. 5 p. [Includes individual views.]
- 14953 544. Social security amendments of 1967. Report of Committee on Ways and Means on H.R. 12080. Aug. 7, 1967. 1967. ix+201 p. [Includes supplemental views.] * Paper, 55c.
- 14954 545. Consideration of H.R. 43. Report from Committee on Rules to accompany H. Res. 860. Aug. 8, 1967. 1 p.
- 14955 546. Consideration of H.R. 845. Report from Committee on Rules to accompany H. Res. 861. Aug. 8, 1967. 1 p.
- 14956 547. Consideration of H.R. 6279. Report from Committee on Rules to accompany H. Res. 862. Aug. 8, 1967. 1 p.
- 14957 548. Appalachian regional development act amendments of 1967, and amendments to Public works and economic development act of 1965. Report of Committee on Public Works, with additional, minority, supplemental, and separate views, on S. 602; Aug. 8, 1967. 1967. [1]+98 p. il.
- 14958 549. Disposition of sundry papers. Report from Joint Committee on Disposition of Executive Papers. Aug. 9, 1967. 2 p.
- 14959 550. Consideration of H.R. 11945. Report from Committee on Rules to accompany H. Res. 867. Aug. 9, 1967. 1 p.
- 14960 551. Foreign assistance act of 1967. Report of Committee on Foreign Affairs together with minority views and additional views on H.R. 12048, to amend further Foreign assistance act of 1961, as amended, and for other purposes; Aug. 11, 1967. 1967. v+137 p.
- 14961 552. Small business act amendments of 1967. Report together with supplemental views from Committee on Banking and Currency to accompany H.R. 10409. Aug. 14, 1967. 22 p.

GOVERNMENT PUBLICATIONS

House reports on public bills—Continued

- 14962 553. Authorizing Secretary of Interior to acquire Appomattox Manor for addition to Petersburg National Battlefield in Virginia and providing for revision of boundaries of battlefield. Report from Committee on Interior and Insular Affairs to accompany H.R. 182. Aug. 14, 1967. 6 p.
- 14963 554. Veterans' pension and readjustment assistance act of 1967. Conference report to accompany S. 16. Aug. 14, 1967. 36 p.
- 14964 555. Consideration of H.R. 12080. Report from Committee on Rules to accompany H. Res. 902. Aug. 15, 1967. 1 p.
- 14965 556. To amend act of Oct. 3, 1965. Report from Committee on Judiciary to accompany H.R. 11993. Aug. 15, 1967. 4 p.
- 14966 557. Increasing amount of real and personal property which may be held by American Academy in Rome. Report from Committee on House Administration to accompany S. 281. Aug. 16, 1967. 3 p.
- 14967 558. Relating to Tiwa Indians of Texas. Report from Committee on Interior and Insular Affairs to accompany H.R. 10599. Aug. 16, 1967. 4 p.
- 14968 559. Amending legislative branch appropriation act 1959, as it relates to transportation expenses of Members of House of Representatives, and for other purposes. Report together with separate views from Committee on House Administration to accompany H.R. 9837. Aug. 17, 1967. 3 p.
- 14969 560. Amending joint resolution of Mar. 25, 1953, relating to electrical and mechanical office equipment for use of Members, officers, and committees of House of Representatives, to remove specific limitations on electric typewriters furnished to Members. Report from Committee on House Administration to accompany H.J. Res. 516. Aug. 17, 1967. 2 p.
- 14970 561. Amending act of Sept. 19, 1964 (78 Stat. 983), establishing Public Land Law Review Commission. Report from Committee on Interior and Insular Affairs to accompany H.R. 12121. Aug. 17, 1967. 14 p.
- 14971 562. Mental retardation amendments of 1967. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 6430. Aug. 17, 1967. 34 p. ll.
- 14972 563. Vocational rehabilitation amendments of 1967. Report from Committee on Education and Labor to accompany H.R. 12257. Aug. 17, 1967. 16 p.
- 14973 564. Consideration of H.R. 12048. Report from Committee on Rules to accompany H. Res. 909. Aug. 17, 1967. 1 p.
- 14974 565. Consideration of S. 602. Report from Committee on Rules to accompany H. Res. 910. Aug. 17, 1967. 1 p.
- 14975 566. Amending sec. 1730 of title 18, United States Code, to permit uniform or badge of letter-carrier branch of postal service to be worn in theatrical, television, or motion-picture productions under certain circumstances. Report from Committee on Judiciary to accompany H.R. 10773. Aug. 17, 1967. 4 p.
- 14976 567. Providing certain benefits for law enforcement officers not employed by United States who are killed or injured while apprehending violators of Federal law. Report from Committee on Judiciary to accompany H.R. 11816. Aug. 17, 1967. 14 p.
- 14977 568. San Rafael Wilderness, Los Padres National Forest, Calif. Report together with individual views from Committee on Interior and Insular Affairs to accompany H.R. 5161. Aug. 17, 1967. 8 p.
- 14978 569. National Aeronautics and Space Administration appropriation bill, 1968. Report from Committee on Appropriations to accompany H.R. 12474. Aug. 18, 1967. 6 p.
- 14979 571. Providing for further expenses of investigation and study authorized by House resolution 124. Report from Committee on House Administration to accompany H. Res. 842. Aug. 21, 1967. 1 p.
- 14980 572. Public broadcasting act of 1967. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 6736. Aug. 21, 1967. 63 p. ll. [Includes separate, minority, and additional views.]
- 14981 574. Extension of dairy indemnity payments authority. Report from Committee on Agriculture to accompany S. 1657. Aug. 22, 1967. 4 p.
- 14982 576. Consideration of H.R. 10409. Report from Committee on Rules to accompany H. Res. 913. Aug. 22, 1967. 1 p.
- 14983 577. Authorizing Committee on Judiciary to conduct studies and investigations relating to certain matters within its jurisdiction. Report from Committee on Rules to accompany H. Res. 838. Aug. 22, 1967. 1 p.
- 14984 578. Intergovernmental Committee for European migration (ICEM). Report of Committee on Judiciary pursuant to H. Res. 40. 1967. iii+50 p.
- 14985 593. Saugus Iron Works National Historic Site, Mass. Report from Committee on Interior and Insular Affairs to accompany H.R. 1308. Aug. 23, 1967. 6 p.
- 14986 594. To save America's small lakes (water pollution control and abatement). 3d report by Committee on Government Operations; Aug. 23, 1967. 1967. v+20 p.
- 14987 595. Appropriations for Department of Defense for 1968. Conference report to accompany H.R. 10738. Aug. 23, 1967. 8 p.
- 14988 596. Continuing appropriations, 1968. Report from Committee on Appropriations to accompany H.J. Res. 804. Aug. 24, 1967. 9 p.
- 14989 597. Relationship of toll facilities to Federal-aid highway program. Report of Special Subcommittee on Federal-Aid Highway Program and Subcommittee on Roads, 90th Congress, 1st session; Aug. 24, 1967. 1967. ix+183 p. ll. L.C. card 67-62421

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

OCTOBER 1967

- 14990 603. Providing for appeal by United States from decisions sustaining motions to suppress evidence. Report from Committee on Judiciary to accompany H.R. 8654. Aug. 24, 1967. 5 p.
- 14991 604. Amend D.C. teachers' leave act. Report from Committee on District of Columbia to accompany H.R. 5709. Aug. 25, 1967. 4 p.
- 14992 605. Amend D.C. teachers' retirement act. Report from Committee on District of Columbia to accompany H.R. 12505. Aug. 25, 1967. 26 p.
- 14993 606. Amend D.C. alcoholic beverage control act. Report from Committee on District of Columbia to accompany H.R. 8715. Aug. 25, 1967. 4 p.
- 14994 607. Amend D.C. alcoholic beverage control act. Report from Committee on District of Columbia to accompany H.R. 6727. Aug. 25, 1967. 6 p.
- 14995 608. Dulles-Potomac Interceptor sewer. Report from Committee on District of Columbia to accompany H.R. 8965. Aug. 25, 1967. 11 p.
- 14996 609. Illicit practices affecting U.S. economic program in Vietnam (followup investigation). 4th report by Committee on Government Operations; Aug. 25, 1967. 197. v+20 p.
- 14997 610. Commercial (commodity) import program for Vietnam (followup investigation). 5th report by Committee on Government Operations; Aug. 25, 1967. 1967. v+16 p.
- 14998 611. Port situation in Vietnam (followup investigation). 6th report from Committee on Government Operations; Aug. 25, 1967. 1967. v+7 p.
- 14999 612. Registration of historic landmarks in District of Columbia. Report from Committee on District of Columbia to accompany H.R. 10939. Aug. 25, 1967. 18 p.
- 15000 613. Government use of satellite communications, 1967. 7th report by Committee on Government Operations; Aug. 28, 1967. 1967. v+14 p.
- 15001 614. Federal research and development programs, decisionmaking process, comments by National Academy of Sciences and Bureau of Budget. 8th report by Committee on Government Operations; Aug. 28, 1967. 1967. v+17 p. [Includes additional views of Fletcher Thompson.]
- 15002 615. Authorizing Secretary of Interior to grant long-term leases with respect to lands in El Portal administrative site adjacent to Yosemite National Park, Calif., and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 4739. Aug. 28, 1967. 4 p.
- 15003 616. Amending Public law 87-752 (76 Stat. 749) to eliminate requirement of reservation of certain mineral rights to United States. Report from Committee on Interior and Insular Affairs to accompany H.R. 5091. Aug. 28, 1967. 7 p.
- 15004 617. Increasing appropriation authorization for continuing work in Missouri River Basin by Secretary of Interior. Report from Committee on Interior and Insular Affairs to accompany H.R. 8775. Aug. 28, 1967. 10 p.
- 15005 622. Providing for establishment of Florissant Fossil Beds National Monument in Colorado. Report from Committee on Interior and Insular Affairs to accompany H.R. 5605. Aug. 30, 1967. 6 p.
L.C. card 67-62422
- 15006 623. Establishing National Park Foundation. Report from Committee on Interior and Insular Affairs to accompany H.R. 10835. Aug. 30, 1967. 9 p.
- 15007 624. Providing for disposition of judgment funds now on deposit to credit of Cheyenne-Arapaho Tribes of Oklahoma. Report from Committee on Interior and Insular Affairs to accompany H.R. 11847. Aug. 30, 1967. 4 p.
- 15008 625. Fishermen's protective act of 1967. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 4451. Aug. 31, 1967. 26 p.
- 15009 627. Creating independent Federal Maritime Administration. Report together with dissenting views from Committee on Merchant Marine and Fisheries to accompany H.R. 159. Aug. 31, 1967. 18 p.
L.C. card 67-62420

Agriculture Committee, House *Washington, D.C. 20515*

[Committee hearings] serial, 90th Congress. † ● Item 1010

- 15010 J. Management policy and other problems of national forests, hearings before Subcommittee on Forests, 90th Congress, 1st session, on H.R. 740 [and other bills]. Y 4. Ag S/1: F 76/41/pt.2
pt. 2. June 13-16, 1967. 1967. v+164 p.
- 15011 N. Amend Meat Inspection act, hearings before Subcommittee on Livestock and Grains, 90th Congress, 1st session, on H.R. 1314, H.R. 1321, and H.R. 6168, June 26-July 20, 1967. 1967. iv+251 p.
L.C. card 67-62176 Y 4. Ag S/1: M 46/14
- 15012 P. Reduction of extra-long staple cotton quota, hearings, 90th Congress, 1st session on H.R. 10915, July 12 and 13, 1967. 1967. iii+74 p.
L.C. card 67-62290 Y 4. Ag S/1: C 82/49
- 15013 Q. Operations of Flue-Cured Tobacco Cooperative Stabilization Corporation, hearing before Subcommittee on Tobacco, 90th Congress, 1st session, July 11 and 26, 1967. 1967. iii+61 p.
L.C. card 67-62351 Y 4. Ag S/1: T 55/33

GOVERNMENT PUBLICATIONS

Appropriations Committee, House *Washington, D.C. 20515*

- 15014 Foreign assistance and related agencies appropriations for 1968, hearings before subcommittee, 90th Congress, 1st session.
L.C. card 67-62403 Y 4.Ap 6/1 : F 76/3/968/pt.1
pt. 1. Military assistance, related agencies, Asian Development Bank, Cuban refugees, Export-Import Bank, Inter-American Development Bank, International Development Association, migration and refugee assistance, Peace Corps, Ryukyu Islands. 1967. ii+1-791+xiv p. ii. † ● Item 1011
- 15015 Internal Revenue Service, hearings before subcommittee, 90th Congress, 1st session, charges of abuses by Internal Revenue Service agents. 1967. ii+65 p. † ● Item 1011
L.C. card 67-62183 Y 4.Ap6/1 : In 8/8
- 15016 Military construction appropriations for 1968, hearings before subcommittee, 90th Congress, 1st session. † ● Item 1011
L.C. card 67-62300 Y 4.Ap6/1 : M 59/6/968/pt. (nos.)
pt. 1. Office of Secretary of Defense, family housing, defense agencies, National Security Agency. 1967. ii+1-479+vi p. ii.
pt. 2. Department of Navy. 1967. ii+763+viii p. ii.
- 15017 National Aeronautics and Space Administration appropriations for 1968, additional hearings before subcommittee, 90th Congress, 1st session. 1967. ii+59+i p. † ● Item 1011
L.C. card 67-62181 Y 4.Ap6/1 : N 21/5/968

Banking and Currency Committee, House *Washington, D.C. 20515*

- 15018 Control of commercial banks and interlocks among financial institutions, staff report for Subcommittee on Domestic Finance, 90th Congress, 1st session; July 31, 1967. 1967. vi+96 p. (Subcommittee print.) † (Limited distribution).
L.C. card 67-62313 Y 4.B22/1 : B 22/15
- 15019 Federal charter legislation for mutual savings banks, 1967, hearings before Subcommittee on Bank Supervision and Insurance, 90th Congress, 1st session, on H.R. 15, H.R. 10745, H.R. 11139, July 13-20, 1967. 1967. v+765 p. † ● Item 1013
L.C. card 67-62393 Y 4.B 22/1 : Sa 9/3/967
- 15020 Legislation to amend Small business and Small business investment acts, hearings, 90th Congress, 1st session, on H.R. 10409, July 24-Aug. 1, 1967. 1967. v.+337 p. † ● Item 1013
L.C. card 67-62295 Y 4.B22/1 : Sm 1/12

District of Columbia Committee, House *Washington, D.C. 20515*

- 15021 Amend National Capital transportation act of 1965, hearings before subcommittee no. 4, 90th Congress, 1st session, on H.R. 11395, July 26 and Aug. 23, 1967. 1967. iii+69 p. ii. 4 pl. † ● Item 1014
L.C. card 67-62356 Y 4.D63/1 : T 68/6
- 15022 D.C. reorganization proposals, hearings before subcommittee no. 1, 90th Congress, 1st session, on H.R. 10521, H.R. 11555 and H.R. 11635, H.R. 11872, June 27-Aug. 2, 1967. 1967. iii+242 p. † ● Item 1014
L.C. card 67-62171 Y 4.D63/1 : R 29/4

Education and Labor Committee, House *Washington, D.C. 20515*

- 15023 Amendments to Older Americans act of 1965, hearings before Select Subcommittee on Education, 90th Congress, 1st session, on H.R. 4261, May 10-June 1, 1967. 1967. iv+165 p. † ● Item 1015
L.C. card 67-62163 Y 4.Ed 8/1 : Ol 1/3

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15024 Economic opportunity act amendments of 1967, hearings, 90th Congress, 1st session, on H.R. 8311. † ● Item 1015
L.C. card 67-62314 Y 4.Ed 8/1: Ec 7/967/pt. (nos.)
pt. 1. June 12 and 16, 1967. 1967. iv+1-845 p. il.
pt. 2. June 19-July 10, 1967. 1967. vii+847-1604 p. il.
- 15025 Extension of National labor relations act to agricultural employees, hearings before Special Subcommittee on Labor, 90th Congress, 1st session, on H.R. 4769, May 1-12, 1967. 1967. vi+294 p. il. † ● Item 1015
L.C. card 67-62281 Y 4.Ed 8/1: Ag 8
- 15026 Higher education amendments of 1967, hearings before Special Subcommittee on Education, 90th Congress, 1st session, on H.R. 6232 and H.R. 6265. ● Item 1015
L.C. card 67-62401 Y 4.Ed 8/1: Ed 8/2/26/967/pt.1
pt. 1. Apr. 17-May 2, 1967. 1967. vi+394 p. il. †

Foreign Affairs Committee, House
Washington, D.C. 20515

- 15027 Foreign assistance act of 1967, hearings, 90th Congress, 1st session, on H.R. 7099. ● Item 1017
L.C. card 67-61412 Y 4.F76/1: F 76/28/967/pt.4
pt. 4. May 1-5, 1967. 1967. iv+693-900 p. * Paper, 55c.

Government Operations Committee, House
Washington, D.C. 20515

- 15028 Better management of research equipment procurement and utilization in Federal laboratories, hearing before subcommittee, 90th Congress, 1st session, Aug. 9, 1967. 1967. iii+161 p. il. † ● Item 1016
L.C. card 67-62385 Y 4.G74/7: R 31/6
- 15029 Brain drain into United States of scientists, engineers, and physicians, staff study for Research and Technical Programs Subcommittee; July 1967. 1967. v+110 p. il. (Committee print, 90th Congress, 1st session.) †
L.C. card 67-62114 Y 4.G 74/7: B 73
- 15030 Defense Contract Audit Agency (organization, functions, and relationships with General Accounting Office), hearing before subcommittee, 90th Congress, 1st session, July 28, 1967. 1967. iii+176 p. † ● Item 1016
L.C. card 67-62278 Y 4.G74/7: D 36/7
- 15031 Department of Justice's handling of Veterans' Administration mortgage foreclosures, hearings before subcommittee, 90th Congress, 1st session, May 23 and 24, 1967. 1967. iv+160 p. † ● Item 1016
L.C. card 67-62167 Y 4.G74/7: M 84
- 15032 Food and Drug Administration procedures for selection of laboratory sites, hearing before subcommittee, 90th Congress, 1st session, June 28, 1967. 1967. iv+78 p. † ● Item 1016
L.C. card 67-62165 Y 4.G 74/7: L 11/2
- 15033 Irregularities in performance of painting contracts on Federal facilities in Washington area, hearing before subcommittee, 90th Congress, 1st session, June 22, 1967. 1967. iv+131 p. † ● Item 1016
L.C. card 67-62177 Y 4.G74/7: P 16
- 15034 Legal information through electronics (Air Force LITE Project), hearing before subcommittee, 90th Congress, 1st session, Aug. 1, 1967. 1967. iii+101 p. il. † ● Item 1016
L.C. card 67-62284 Y 4.G74/7: L 52
- 15035 Water pollution, central and northern California, hearing before subcommittee, 90th Congress, 1st session, May 19, 1967. 1967. iv+341 p. il. † ● Item 1016
L.C. card 67-62292 Y 4.G74/7: W 29/3

*For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 19

GOVERNMENT PUBLICATIONS

*House Administration Committee, House
Washington, D.C. 20515*

- 15036 U.S. House of Representatives, detailed statement of disbursements, Jan. 1-June 30, 1967. 1967. v+269 p. (Committee print, 90th Congress, 1st session.) ‡
L.C. card 62-61072 Y 4.H81/3 : D 63/967

*Interior and Insular Affairs Committee, House
Washington, D.C. 20515*

[Committee hearings] serial, 90th Congress. † ● Item 1023
Y 4.In8/14 : 90-(nos.)

- 15037 8. Disposition of geothermal steam, 1967, hearings before Subcommittee on Mines and Mining, 90th Congress, 1st session, on H.R. 3577 and related bills, June 12-16, 1967. 1967. v+244 p. il.
L.C. card 67-62186
- 15038 9. San Rafael Wilderness, hearings before Subcommittee on Public Lands, 90th Congress, 1st session, on H.R. 5161, H.R. 5494, S. 889, June 19-21, 1967. 1967. vi+172 p. il.
L.C. card 67-62291
- 15039 13. Mountain Park reclamation project, Okla., hearings before Subcommittee on Irrigation and Reclamation, 90th Congress, 1st session, on H.R. 9362, pt. 1. July 15, 1967. 1967. iii+1-97 p. [Hearings held in Altus, Okla.]
- 15040 16. Public Land Law Review Commission, hearings, 90th Congress, 1st session, briefing on Public Land Law Review Commission held Apr. 26, 1967, hearing on H.R. 12121, Aug. 16, 1967. 1967. iii+63 p.
L.C. card 67-62319

*Interstate and Foreign Commerce Committee, House
Washington, D.C. 20515*

[Committee hearings] serial, 90th Congress. † ● Item 1019
Y 4.In8/4 : 90-(nos.)

- 15041 2. Flammable fabrics act and Product Safety Commission, hearings before Subcommittee on Commerce and Finance, 90th Congress, 1st session, on H.R. 5654 [and other bills], Apr. 5-July 31, 1967. 1967. vi+313 p.
L.C. card 67-62282
- 15042 5. Interstate compact on oil and gas (10th extension), hearing before Subcommittee on Communications and Power, 90th Congress, 1st session, on H.R. 6737 and H.R. 5757, Apr. 18, 1967. 1967. iii+126 p.
L.C. card 67-62185
- 15043 10. Air quality act of 1967, hearings, 90th Congress, 1st session, on H.R. 9509 and related bills, S. 780, Aug. 15-24, 1967. 1967. vi+887 p. il.
L.C. card 67-62318

*Judiciary Committee, House
Washington, D.C. 20515*

[Committee hearings] serial, 90th Congress.

- 15044 6. D.C. representation in Congress, hearings, 90th Congress, 1st session, on H.J. Res. 396, and similar proposals, July 19-Aug. 2, 1967. 1967. iv+183 p. †
Item 1020
L.C. card 67-62389 Y 4.J89/1 : 90-6

*Merchant Marine and Fisheries Committee, House
Washington, D.C. 20515*

[Committee hearing] serial, 90th Congress.

- 15045 8. Foreign seizures of U.S. fishing vessels, hearing before Subcommittee on Fisheries and Wildlife Conservation, 90th Congress, 1st session, on H.R. 4153 [and other] bills, June 22, 1967. 1967. iv+89 p. † ● Item 1021
L.C. card 67-62283 Y 4.M 53 : 90-8

*Post Office and Civil Service Committee, House
Washington, D.C. 20515*

- 15046 Improved retirement financing, recommendations of chairman, Civil Service Commission, for use of Subcommittee on Retirement, Insurance, and Health Benefits; June 19, 1967. 1967. viii+23 p. il. (Committee print 2, 90th Congress, 1st session.) ‡
L.C. card 67-62028 Y 4.P 84/10 : R 31/28

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15047 Postal revenue act of 1967, summary of hearings on H.R. 7977 and H.R. 7978, bills to adjust certain postal rates, for use of Subcommittee on Postal Rates; July 7, 1967. 1967. iii+15 p. (Committee print 3, 90th Congress, 1st session.) †
L.C. card 67-62311 Y 4.P 84/10: R 32/3

Public Works Committee, House
Washington, D.C. 20515

[Committee publication], 90th Congress.

- 15048 90-7. Highway safety programs standards, report from Secretary of Department of Transportation to Congress, as required by Highway safety act of 1966 (Public law 89-564, 89th Cong., S. 3052, Sept. 9, 1966); July 1967. 1967. v+40 p. (Committee print.) †
L.C. card 67-62464 Y 4.P 96/11: 90-7

Science and Astronautics Committee, House
Washington, D.C. 20515

[Paper], 90th Congress, 1st session.

- 15049 5. Presentation of report by Special Panel on Applied Science and Technological Progress of National Academy of Sciences, hearing, 90th Congress, 1st session, May 25, 1967. 1967. iv+39 p. † ● Item 1025-A
L.C. card 67-62289 Y 4.Sci 2: 90-1/5

Veterans' Affairs Committee, House
Washington, D.C. 20515

- 15050 VA nursing home care programs, hearings before Special Subcommittee on Intermediate Care, 90th Congress, 1st session, on operation of VA nursing home care programs and bills related thereto, June 21-Aug. 24, 1967. 1967. vii+1439-1929 p. il. † ● Item 1027
L.C. card 67-62360 Y 4.V 64/3: N 93/2

Ways and Means Committee, House
Washington, D.C. 20515

- 15051 Legislative history of H.R. 4573, 90th Congress, 1st session, to provide temporary increase in public debt limit, Public law 90-3, and H.R. 10867, 90th Congress, 1st session, to increase public debt limit set forth in sec. 21 of Second Liberty Bond act, and for other purposes, Public law 90-39; prepared by staff of Committee. 1967. xi+1181 p. il. * Paper, \$3.25.
L.C. card 67-62437 Y 4.W 36: D 35/5
- 15052 Legislative history of H.R. 6098, 90th Congress, 1st session, Interest equalization tax extension act of 1967, Public law 90-59, and H.R. 4750, 89th Congress, 1st session, Interest equalization tax extension act of 1965, Public law 89-243; prepared by staff of Committee. 1967. xi+931+vii+583 p. il. * Paper, \$4.00.
L.C. card 67-62436 Y 4.W 36: In 8/25
- 15053 Summary of provisions of H.R. 12080, Social security amendments of 1967, as introduced on Aug. 3, 1967 and reported on Aug. 7, 1967 (House report 544, 90th Congress). 1967. iv+18 p. (Committee print, 90th Congress, 1st session.) * Paper, 15c
L.C. card 67-62412 Y 4.W 36: So 1/21/967

PRINTING JOINT COMMITTEE
Washington, D.C. 20510

- 15054 [Government paper specification standards, no. 6, Change, effective Aug. 1, 1967.] June 19, 1967. [30] leaves, 4° [Issued in looseleaf form.] * Paper, \$2.00 (including supplementary material for an indefinite period); 50c. additional for foreign mailing. ● Item 1004-B Y 4.P 93/1: 7/6/ch.

GOVERNMENT PUBLICATIONS

SENATE
Washington, D.C. 20510

Senate documents

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

Senate documents, 90th Congress.

- 15055 19. Mineral and water resources of Missouri, report [with lists of selected references] of United States Geological Survey and Missouri Division of Geological Survey and Water Resources with collaboration of United States Bureau of Mines, United States Soil Conservation Service, Missouri State Park Board, Missouri Water Resources Board, Missouri Water Pollution Board and University of Missouri; and with supplement on Water resource development projects in Missouri, by Department of Army, Corps of Engineers: Apr. 6, 1967. 1967. v+399 p. il. 2 maps, 1 tab. † (To be sent to depository libraries in Serial set binding).
L.C. card 67-62414
- 15056 37. Salem Church Reservoir, Rappahannock River, Va., letter from chief of engineers, Army, submitting report on review of reports; July 17, 1967. 1967. xxv+106 p. 1 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 15227.] †
- 15057 41. Architect of Capitol, letter from Comptroller General transmitting report to Congress of United States, pursuant to Public law 88-454 (78 Stat. 551), on review of management of and control over expendable supplies and materials; July 31, 1967. 1967. vii+26 p. † ● Item 996
- 15058 42. Canada-United States Interparliamentary Group. Report to Senate on 10th meeting held at Ottawa and Montreal, May 10-14, 1967, by George D. Alken, Chairman of Senate delegation; Aug. 7, 1967. 1967. v+6 p. † ● Item 996
L.C. card 59-64053
- 15059 43. Park River basin, Conn., letter from chief of engineers, Army, submitting report on review of reports; Aug. 9, 1967. 1967. xii+70 p. il. 2 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 15225.] †
- 15060 45. Report of Secretary of Senate, Jan. 1-June 30, 1967; Aug. 23, 1967. 1967. iv+539 p. † (To be sent to depository libraries in Serial set binding.)
L.C. card 9-16161
- 15061 46. Semiannual report of Architect of Capitol, Jan. 1-June 30, 1967; Aug. 28, 1967. 1967. iii+119 p. † ● Item 996

Senate executive reports

Senate executive reports, 90th Congress, 1st session. Y 1.90/1: rp. (nos.)

- 15062 13. Nomination of Thurgood Marshall. Report, together with minority views, from Committee on Judiciary to accompany nomination of Thurgood Marshall. Aug. 21, 1967. 51 p. †
L.C. card 67-62453
- 15063 14. Commercial treaty with Thailand. Report from Committee on Foreign Relations to accompany Ex.P. 89th Cong., 2d sess. Aug. 26, 1967. 8 p. †
- 15064 16. Withdrawal of certain treaties. Report from Committee on Foreign Relations to accompany S. Ex. Res. 1, Sept. 14, 1967. 4 p. †

Senate reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 90th Congress. † Senate Document Room, Capitol. ● Item 1008-B

- 15065 471. Documentation of vessel Northwind with full coastwise privileges. Report from Committee on Commerce to accompany H.R. 7043. Aug. 2, 1967. 5 p.
- 15066 477. American Petrofina Co. of Texas, Delaware corporation, and James W. Harris. Report from Committee on Judiciary to accompany S. 1678. Aug. 3, 1967. 4 p.
- 15067 478. Euphemia King Hartley, James Hartley and James Holmes Hartley. Report from Committee on Judiciary to accompany S. 922. Aug. 3, 1967. 3 p.
- 15068 479. Dr. Antonio Martin Ruiz Del Castillo. Report from Committee on Judiciary to accompany S. 1709. Aug. 3, 1967. 4 p.
- 15069 480. Mitsuo Blomsiröm. Report from Committee on Judiciary to accompany S. 975. Aug. 3, 1967. 7 p.
- 15070 481. Dr. Ramiro de la Riva Dominguez. Report from Committee on Judiciary to accompany S. 1748. Aug. 3, 1967. 4 p.
- 15071 505. Dr. Orlando Hipolito Maytin. Report from Committee on Judiciary to accompany S. 1938. Aug. 15, 1967. 5 p.
- 15072 512. Ritva Butrum. Report from Committee on Judiciary to accompany S. 1899. Aug. 15, 1967. 4 p.
- 15073 520. Eloy C. Navarro. Report from Committee on Judiciary to accompany S. 294. Aug. 17, 1967. 4 p.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Senate reports on public bills, 90th Congress. † Senate Document Room, Capitol. ● Item 1008-A

- 15074 413. Placing in trust status certain lands on Wind River Indian Reservation in Wyoming. Report from Committee on Interior and Insular Affairs to accompany S. 528, July 27, 1967. 3 p.
- 15075 450. Certain cases in which Attorney General has suspended deportation. Report from Committee on Judiciary to accompany S. Con. Res. 36. July 27, 1967. 2 p.
- 15076 451. Certain cases in which Attorney General has suspended deportation. Report from Committee on Judiciary to accompany S. Con. Res. 37. July 27, 1967. 2 p.
- 15077 452. Amending Tucker act, to increase from 10,000 to 50,000 jurisdictional limitation of Federal district courts in civil actions against United States. Report from Committee on Judiciary to accompany S. 946. July 27, 1967. 5 p.
- 15078 465. Amending Indian long-term leasing act. Report from Committee on Interior and Insular Affairs to accompany S. 285. July 31, 1967. 10 p.
- 15079 466. Increasing amounts authorized for Indian adult vocational education. Report from Committee on Interior and Insular Affairs to accompany S. 306. July 31, 1967. 4 p.
- 15080 467. Authorizing Secretary of Health, Education, and Welfare, and Secretary of Agriculture to provide food and medical services on emergency basis to prevent human suffering or loss of life. Report from Committee on Labor and Public Welfare to accompany S. 2138. Aug. 1, 1967. 7 p.
- 15081 468. Amending Small reclamation projects act of 1956, as amended. Report from Committee on Interior and Insular Affairs to accompany S. 862. Aug. 1, 1967. 7 p.
- 15082 469. Departments of Labor, and Health, Education, and Welfare, and related agencies appropriation bill, 1968. Report from Committee on Appropriations to accompany H.R. 10196. Aug. 1, 1967. 95 p.
- 15083 470. Authorizing Committee on Government Operations to investigate crime and lawlessness within United States. Report together with individual views from Committee on Rules and Administration to accompany S. Res. 159. Aug. 1, 1967. 5 p.
- 15084 472. Federal Maritime discovery procedures. Report from Committee on Commerce to accompany S. 706. Aug. 2, 1967. 8 p.
- 15085 473. Constitutional rights. Report from Committee on Judiciary pursuant to S. Res. 194, 89th Cong., 2d sess. Aug. 2, 1967. 43 p.
- 15086 474. Agricultural fair practices. Report from Committee on Agriculture and Forestry to accompany S. 109. Aug. 3, 1967. 10 p.
- 15087 475. Cropland adjustment program, eligibility of farm acquired to replace farm transferred to agency having right of eminent domain. Report from Committee on Agriculture and Forestry to accompany S. 2126. Aug. 3, 1967. 3 p.
- 15088 476. Dairy indemnity payments. Report from Committee on Agriculture and Forestry to accompany S. 1657. Aug. 3, 1967. 3 p.
- 15089 482. Titles 5, 14, and 37, United States Code. Report from Committee on Judiciary to accompany H.R. 5786. Aug. 3, 1967. 107 p.
- 15090 487. Release of valueless liens. Report from Committee on Agriculture and Forestry to accompany S. 1550. Aug. 3, 1967. 5 p.
- 15091 488. Income tax support test in case of children of divorced parents. Report from Committee on Finance to accompany H.R. 6056. Aug. 3, 1967. 6 p.
- 15092 489. Tax-free withdrawal of wine unit for beverage use. Report from Committee on Finance to accompany H.R. 1282. Aug. 3, 1967. 11 p.
- 15093 490. Income tax treatment of certain distributions pursuant to Bank holding company act of 1956. Report from Committee on Finance to accompany H.R. 4765. Aug. 3, 1967. 37 p.
- 15094 491. National wild and scenic rivers system. Report from Committee on Interior and Insular Affairs to accompany S. 119. Aug. 4, 1967. 17 p. L.C. card 67-62417
- 15095 493. Export-Import Bank, act amendments of 1967. Report of Committee on Banking and Currency to accompany S. 1155 together with individual views; Aug. 4, 1967. 1967. III + 26 p. [Corrected print.]
- 15096 494. Department of Defense appropriation bill, 1968. Report from Committee on Appropriations to accompany H.R. 10738. Aug. 4, 1967. 71 p.
- 15097 495. Anniversary of Bonneville project act. Report from Committee on Interior and Insular Affairs to accompany S. Res. 142. Aug. 9, 1967. 3 p.
- 15098 496. Authorizing additional expenditures by Committee on Judiciary for study of Federal judicial system. Report from Committee on Rules and Administration to accompany S. Res. 149. Aug. 9, 1967. 4 p.
- 15099 497. Authorizing additional expenditures by Committee on Judiciary for study of administrative practices and procedures. Report from Committee on Rules and Administration to accompany S. Res. 130. Aug. 9, 1967. 3 p.
- 15100 498. Authorizing printing of report entitled Parity returns positions of farms as Senate document. Report from Committee on Rules and Administration to accompany S. Res. 147. Aug. 9, 1967. 2 p.
- 15101 500. Amending 1960 act relating to Potomac interceptor sewer. Report from Committee on District of Columbia to accompany S. 1633. Aug. 11, 1967. 8 p.

GOVERNMENT PUBLICATIONS

Senate reports on public bills—Continued

- 15102 501. Inter-American development bank act amendments of 1967. Report together with minority views from Committee on Foreign Relations to accompany S. 1688. Aug. 11, 1967. 15 p.
- 15103 502. Fire research and safety act of 1967. Report from Committee on Commerce to accompany S. 1124. Aug. 14, 1967. 10 p.
- 15104 503. Duty treatment of bagpipes. Report from Committee on Finance to accompany H.R. 664. Aug. 15, 1967. 3 p.
- 15105 504. Tariff classification of Chinese gooseberries. Report from Committee on Finance to accompany H.R. 2155. Aug. 15, 1967. 4 p.
- 15106 513. Subversive activities control act of 1950. Report from Committee on Judiciary to accompany S. 2171. Aug. 15, 1967. 23 p.
- 15107 514. Transportation of merchandise to southeastern Alaska. Report from Committee on Commerce to accompany S. 292. Aug. 16, 1967. 13 p.
- 15108 515 [pt. 1.] Election reform report act of 1967. Report of Committee on Rules and Administration to accompany S. 1880 together with supplemental and individual views; Aug. 16, 1967. iii+27 p.
[pt. 2.] Election reform act of 1967. Joint supplemental views of Mr. Clark and Mr. Scott to accompany S. 1880, Aug. 25, 1967. 2 p.
- 15109 516. Apostle Island National Lakeshore. Report from Committee on Interior and Insular Affairs to accompany S. 778. Aug. 17, 1967. 13 p.
L.C. card 67-62418
- 15110 521. Local law enforcement officers' survivorship compensation. Report from Committee on Judiciary to accompany S. 798. Aug. 17, 1967. 8 p.
- 15111 523. Authorizing Secretary of Interior to acquire certain properties within Colonial National Historical Park, in Yorktown, Va. Report from Committee on Interior and Insular Affairs to accompany H.R. 7362. Aug. 17, 1967. 6 p.
- 15112 524. Amending act of Jan. 17, 1936 (49 Stat. 1094), reserving certain public domain lands in Nevada and Oregon as grazing reserve for Indians of Fort McDermitt, Nev. Report from Committee on Interior and Insular Affairs to accompany S. 2162. Aug. 17, 1967. 3 p.
- 15113 525. Providing for disposition of judgment funds now on deposit to credit of Minnesota Chippewa tribe of Indians on behalf of Mississippi bands and Pillager and Lake Winnibigoshish bands of Chippewa Indians. Report from Committee on Interior and Insular Affairs to accompany S. 1165. Aug. 17, 1967. 18 p.
- 15114 526. Providing for disposition of unclaimed and unpaid share of Loyal Creek judgment fund, and providing for disposition of estate of intestate members of Creek Nation of Oklahoma or estates of members of Creek Nation of Oklahoma dying without heirs. Report from Committee on Interior and Insular Affairs to accompany H.R. 2531. Aug. 17, 1967. 4 p.
- 15115 527. Touchet division, Walla Walla project, Oregon-Wash. Report from Committee on Interior and Insular Affairs to accompany S. 485. Aug. 18, 1967. 11 p.
- 15116 528. Relating to Indian revolving loan fund and Indian heirship land problem. Report from Committee on Interior and Insular Affairs to accompany S. 304. Aug. 18, 1967. 14 p.
- 15117 529. Authorizing consolidation and use of funds arising from judgments in favor of Apache Tribe of Mescalero Reservation and of each of its constituent groups. Report from Committee on Interior and Insular Affairs to accompany S. 1727. Aug. 18, 1967. 19 p.
- 15118 530. Providing for disposition of judgment funds now on deposit to credit of Cheyenne-Arapaho Tribes of Oklahoma. Report from Committee on Interior and Insular Affairs to accompany S. 1935. Aug. 18, 1967. 12 p.
- 15119 531. Providing for disposition of funds appropriated to pay judgments in favor of Sac and Fox of Mississippi in Iowa and in Oklahoma and Sac and Fox of Missouri in Kansas and Nebraska in Indian Claims Commission dockets 138 and 143. Report from Committee on Interior and Insular Affairs to accompany S. 1750. Aug. 18, 1967. 20 p.
- 15120 532. Establishing National Park Foundation. Report from Committee on Interior and Insular Affairs to accompany S. 814. Aug. 21, 1967. 10 p.
L.C. card 67-62416
- 15121 534. Protecting privacy and rights of Federal employees. Report from Committee on Judiciary to accompany S. 1035. Aug. 21, 1967. 44 p.
- 15122 535. Providing that United States hold certain Chillico Indian school lands at Chillico, Okla., in trust for Cherokee Nation upon payment by Cherokee Nation of \$3.75 per acre to Federal Government. Report from Committee on Interior and Insular Affairs to accompany H.R. 536. Aug. 21, 1967. 6 p.
- 15123 537. Providing for termination of Federal supervision over property of Confederated Tribes of Colville Indians located in Washington and individual members thereof, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 282. Aug. 22, 1967. 26 p.
- 15124 538. Design and construction of public buildings financed with Federal funds to be accessible to physically handicapped. Report from Committee on Public Works to accompany S. 222. Aug. 24, 1967. 9 p.
- 15125 539. Amending college work-study program in title 1 of Economic opportunity act of 1964. Report from Committee on Labor and Public Welfare to accompany H.R. 11945. Aug. 25, 1967. 4 p.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15126 542. Authorization for highway beautification program. Report from Committee on Public Works to accompany S. 1467. Aug. 25, 1967. 21 p.
- 15127 544. Facilitating computation of tobacco acreage allotments. Report from Committee on Agriculture and Forestry to accompany S. 1564. Aug. 28, 1967. 5 p.
- 15128 545. Relocation of Pleasanton Plant Materials Center. Report from Committee on Agriculture and Forestry to accompany H.R. 547. Aug. 28, 1967. 3 p.
- 15129 546. Land conveyance, Glendale, Ariz. Report from Committee on Agriculture and Forestry to accompany S. 974. Aug. 28, 1967. 4 p.
- 15130 547. Stockholder personal liability on land bank loans. Report from Committee on Agriculture and Forestry to accompany S. 1568. Aug. 28, 1967. 4 p.
- 15131 548. Independent offices and Department of Housing and Urban Development appropriation bill, 1968. Report from Committee on Appropriations to accompany H.R. 9960. Aug. 29, 1967. 29 p.
- 15132 549. National flood insurance act of 1967. Report of Committee on Banking and Currency to accompany S. 985; Aug. 29, 1967. 1967. iii+36 p. L.C. card 67-62415
- 15133 550. Full disclosure of corporate equity ownership and in corporate takeover bids. Report of Committee on Banking and Currency to accompany S. 510; Aug. 29, 1967. 1967. iii+16 p.
- 15134 551. Promoting economic development of Guam. Report from Committee of Interior and Insular Affairs to accompany S. 1763. Aug. 29, 1967. 10 p.
- 15135 552. Authorizing printing of additional copies of committee print entitled Planning-programming-budgeting, selected comment. Report from Committee on Rules and Administration to accompany S. Res. 163. Aug. 30, 1967. 2 p.
- 15136 553. Authorizing additional expenditures by Committee on Labor and Public Welfare for study of matters relating to poverty. Report from Committee on Rules and Administration to accompany S. Res. 164. Aug. 30, 1967. 3 p.
- 15137 554. Authorizing study of matters pertaining to education and related problems of Indian children. Report from Committee on Rules and Administration to accompany S. Res. 165. Aug. 30, 1967. 4 p.
- 15138 555. Amending legislative branch appropriation act, 1959, as it relates to transportation expenses of Members of House of Representatives, and for other purposes. Report from Committee on Rules and Administration to accompany H.R. 9837. Aug. 30, 1967. 3 p.
- 15139 556. Authorizing printing of additional copies of Senate hearings on Housing legislation of 1967. Report from Committee on Rules and Administration to accompany S. Con. Res. 42. Aug. 30, 1967. 2 p.
- 15140 557. Authorizing printing of additional copies of committee print entitled Planning-programming-budgeting, official documents. Report from Committee on Rules and Administration to accompany S. Res. 162. Aug. 30, 1967. 2 p.
- 15141 558. Authorizing printing of report entitled Waste from watercraft as Senate document. Report from Committee on Rules and Administration to accompany S. Res. 157. Aug. 30, 1967. 2 p.
- 15142 560. Authorizing printing of report entitled Automotive air pollution as Senate document. Report from Committee on Rules and Administration to accompany S. Res. 159. Aug. 30, 1967. 2 p.
- 15143 561. Predictions and projections of election results. Report of Committee on Commerce; Aug. 30, 1967. 1967. ii+10 p. [Includes supplemental views of Vance Hartke.]

Aging, Special Committee on, Senate
Washington, D.C. 20510

- 15144 Reduction of retirement benefits due to social security increases, report by Subcommittee on Employment and Retirement Incomes, together with minority views; Aug. 21, 1967. 1967. iii+23 p. (committee print, 90th Congress, 1st session.) * Paper, 15c.
L.C. card 67-62312 Y 4 Ag1: R 31/4

Agriculture and Forestry Committee, Senate
Washington, D.C. 20510

- 15145 Community centers and FHA loans and grants, hearings before subcommittee, 90th Congress, 1st session, on S. 1479, S. 1504, and S. 1642, July 12 and 13, 1967. 1967. v+270 p. 6 p. † ● Item 1032
L.C. card 67-62160 Y 4 AgS/2: C 73/21
- 15146 User changes for inspection services, hearing before subcommittee, 90th Congress, 1st session, on S. 1389, S. 1476, and S. 1655, Aug. 29, 1967. 1967. iii+25 p. † ● Item 1032
L.C. card 67-62353 Y 4 AgS/2: In 7

Appropriations Committee, Senate
Washington, D.C. 20510

- 15147 Independent offices and Department of Housing and Urban Development appropriations, fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 9960. † ● Item 1032
 L.C. card 60-61618 Y 4.Ap6/2: In 2/968/pt. (nos.)

pt. 1. Civil Aeronautics Board, Civil Defense, Department of Defense, Civil Service Commission, disaster relief (funds appropriated to President), emergency health and welfare activities, DHEW, Federal Communications Commission, Federal Home Loan Bank Board, Federal Power Commission, Federal Trade Commission, General Services Administration, Interstate Commerce Commission, National Aeronautics and Space Council, National Science Foundation, Office of Emergency Planning, Office of Science and Technology, President's Commission on Postal Organization (Executive Office of the President), Renegotiation Board, Securities and Exchange Commission, Selective Service System, Veterans Administration, general provisions, testimony of Members of Congress, other interested individuals and organizations. 1967. ii+1115+xxx p. il.

pt. 2. Department of Housing and Urban Development, Federal Housing Administration, Federal National Mortgage Association, testimony of members of Congress, other interested individuals and organizations. 1967. ii+696+xviii p. il.

Armed Services Committee, Senate
Washington, D.C. 20510

- 15148 Nominations, hearings, 90th Congress, 1st session, on Charles F. Baird, of Maryland, to be Under Secretary of Navy, Eugene M. Becker, of New York, to be Assistant Secretary of Army, John T. McNaughton, of Illinois, to be Secretary of Navy, Thomas H. Mooror, to be Chief of Naval Operations, Paul H. Nitze, of Maryland, to be Deputy Secretary of Defense, Paul C. Warnke, of District of Columbia, to be Assistant Secretary of Defense, June 8 and 28, 1967. 1967. iii+38 p. † ● Item 1034
 L.C. card 67-62288 Y 4.Ar5/3: N 72/9/967

- 15149 Nominations of Paul R. Ignatius to be Secretary of Navy and Townsend Hoopes to be Under Secretary of Air Force, hearing, 90th Congress, 1st session, Aug. 17, 1967. 1967. iii+19 p. † ● Item 1034
 L.C. card 67-62292 Y 4.Ar5/3: lg 5

Banking and Currency Committee, Senate
Washington, D.C. 20510

- 15150 Export-Import Bank participation and financing in credit sales of defense articles, hearing, 90th Congress, 1st session, on S. 1155, July 25, 1967. 1967. iii+49 p. [Committee met in executive session to consider further S. 1155.] † ● Item 1035
 L.C. card 67-62280 Y 4.B22/3: Ex 7/17

- 15151 Mortgage credit, hearings before Subcommittee on Housing and Urban Affairs, 90th Congress, 1st session, June 12-28, 1967. 1967. viii+286 p. il. † ● Item 1035
 L.C. card 67-62286 Y 4.B22/3: M 84/11

- 15152 Mutual fund legislation of 1967, hearings, 90th Congress, 1st session, on S. 1659. † ● Item 1935
 L.C. card 67-62316 Y 4.B22/3: M 98/pt. (nos.)
 pt. 1. July 31-Aug. 2, 1967. 1967. xviii+1-547 p. il.
 pt. 2. Aug. 3-15, 1967. 1967. xviii+549-1027 p. il.

Commerce Committee, Senate
Washington, D.C. 20510

[Committee hearing] serial, 90th Congress.

- 15153 18. Nominations of Haddon, Syphers, Hardin, Barrett, and Bagge, joint hearing before Committee on Commerce and Committee on Public Works, Senate, 90th Congress, 1st session, on Nominations of William Haddon, Jr., Director, National Highway Safety Bureau, Grant E. Syphers, Interstate Commerce Commissioner, Dale Wayne Hardin, Interstate Commerce Commissioner, Ashton C. Barrett, Federal Maritime Commissioner, Carl E. Bagge, Federal Power Commissioner, July 11, 1967. 1967. iii+43 p. il. † ● Item 1041 and 1045
 L.C. card 67-62175 Y 4.C73/2: 90-18

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Finance Committee, Senate
Washington, D.C. 20510

- 15154 Social security amendments of 1967, hearings, 90th Congress, 1st session, on H.R. 12080.
L.C. card 67-62386 Y 4.F 49: So 1/8/967/pt.1
pt. 1. Aug. 22-24, 1967. 1967. v+1-736 p. il. * Paper, \$2.00 ● Item 1038

Foreign Relations Committee, Senate
Washington, D.C. 20510

- 15155 Arms sales to Near East and South Asian countries, hearings before Subcommittee on Near Eastern and South Asian Affairs, 90th Congress, 1st session, Mar. 1-June 22, 1967. 1967. v+102 p. † ● Item 1039
L.C. card 67-62019 Y 4.F 76/2: Ar 5/13

Government Operations Committee, Senate
Washington, D.C. 20510

- 15156 Commission on Balanced Economic Development and Northwest Regional Services Corporation, hearings, 90th Congress, 1st session, on S.J. Res. 64 and S. 1602, June 12-July 21, 1967. 1967. vi+351 p. † ● Item 1037
L.C. card 67-62168 Y 4.G74/6: Ec 7
- 15157 Federal role in urban affairs, hearings before Subcommittee on Executive Reorganization, 89th Congress, 2d session.
L.C. card 67-67-60155 Y 4.F74/6: Ur 1/4/pt.13
pt. 13. Dec. 13, 1966. 1967. iv+2639-2877 p. * Paper, 60c. ● Item 1037
- 15158 Planning-programming-budgeting, hearings before Subcommittee on National Security and International Operations, 90th Congress, 1st session.
● Item 1037
L.C. card 67-62397 Y 4.G74/6: P 69/4/pt.1
pt. 1. [Testimony of] Charles L. Schultze, director, Bureau of Budget, Aug. 23, 1967. 1967. iii+63 p. †
- 15159 Reorganization plan no. 3 of 1967, District of Columbia Government, hearings, 90th Congress, 1st session, on reorganization plan no. 3 of 1967, to provide better government for citizens of Nation's capital, July 25-27, 1967. 1967. iii+171 p. † ● Item 1037
L.C. card 67-62174 Y 4.G74/6: R 29/967/no.3

Interior and Insular Affairs Committee, Senate
Washington, D.C. 20510

- 15160 Foss Reservoir, Okla., hearing before Subcommittee on Water and Power Resources, 90th Congress, 1st session, on S. 1946, Aug. 10, 1967. 1967. iii+76 p. † ● Item 1040
L.C. card 67-62388 Y 4.In 8/13: F 79
- 15161 Interior nomination, hearing, 90th Congress, 1st session, on nomination of David S. Black to be under Secretary of Interior, July 17, 1967. 1967. ii+17 p. † ● Item 1040
L.C. card 67-62413 Y 4.In 8/13: N 72/967
- 15162 National Park Foundation, hearing before Subcommittee on Parks and Recreation, 90th Congress, 1st session, on S. 814, July 20, 1967. 1967. iii+21 p. † ● Item 1040
L.C. card 67-62315 Y 4.In 8/13: N 21p
- 15163 North Cascades, hearings before Subcommittee on Parks and Recreation, 90th Congress, 1st session, on S. 1321, Apr. 24-May 29, 1967. 1967. xxvi+1103 p. il. † ● Item 1040
L.C. card 67-62294 Y 4.In 8/13: N 81c/2
- 15164 Redwood National Park, hearings before Subcommittee on Parks and Recreation, 90th Congress, 1st session, on S. 1370, S. 514, and S. 1526, Apr. 17-19, 1967. 1967. viii+449 p. il. † ● Item 1040
L.C. card 67-62179 Y 4.In 8/13: R 24/8/967

GOVERNMENT PUBLICATIONS

Judiciary Committee, Senate Washington, D.C. 20510

- 15165 Antiriot bill, 1967, hearings, 90th Congress, 1st session, on H.R. 421.
● Item 1042
L.C. card 67-62299 Y 4.J 89/2: An 8/18/pt.1
pt. 1. Aug. 2-11, 1967. 1967. iii+588 p. il. * Paper, \$1.75.
- 15166 Controlling crime through more effective law enforcement, hearings before Subcommittee on Laws and Procedures, 90th Congress, 1st session, on S. 300 [and other bills], Mar. 7-July 12, 1967. 1967. xii+1205 p. * Paper, \$3.50. ● Item 1042
L.C. card 67-62296 Y 4.J 89/2: C 86/6
- 15167 Monday holidays, hearing before subcommittee, 90th Congress, 1st session, on S. 1217, Aug. 1, 1967. 1967. iv+119 p. † ● Item 1042
L.C. card 67-62285 Y 4.J 89/2: M 74/2
- 15168 Second supplement (1961-66) to cumulative index to published hearings and reports of Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws. 1967. ii+355 p. (Committee print, 90th Congress, 1st session.) †
L.C. card 57-60563 Y 4.J 89/2: In 2/3/961-66
- 15169 Supplement to cumulative index to published hearings and reports of Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 1956-60. 1962. ii+457 p. (Committee print, 87th Congress, 2d session.) †
L.C. card 57-60563 Y 4.J 89/2: In 2/3/956-60

Labor and Public Welfare Committee, Senate Washington, D.C. 20510

- 15170 Bilingual education, hearings before Special Subcommittee on Bilingual Education, 90th Congress, 1st session, on S. 428. † ● Item 1043.
L.C. card 67-62297 Y 4.L 11/2: B 49/2/pt. (nos.)
pt. 1. May 18-31, 1967. 1967. xi+1-407 p. il.
pt. 2. June 24 and July 21, 1967. 1967. xi+409-681 p.
- 15171 Examination of war on poverty, hearings before Subcommittee on Employment, Manpower, and Poverty, 90th Congress, 1st session. † ● Item 1043
L.C. card 67-61640 Y 4.L 11/2: P 86/4/pt. (nos.)
pt. 6. May 8 and 9, 1967. 1967. viii+1749-2045 p. [Hearings held in New York, N.Y.]
pt. 7. June 8, 1967. 1967. iv+2047-2371 p.
pt. 8. June 9, 1967. 1967. v+2373-2691 p. il.
- 15172 Vocational rehabilitation amendments of 1967, hearing before Subcommittee on Health, 90th Congress, 1st session, on S. 1618, Aug. 14, 1967. 1967. iii+69 p. † ● Item 1043
L.C. card 67-62172 Y 4.L 11/2: V 85/2

Public Works Committee, Senate Washington, D.C. 20510

- 15173 Accessibility of public buildings to physically handicapped, hearing before Subcommittee on Public Buildings and Grounds, 90th Congress, 1st session, on S. 222, July 17, 1967. 1967. iii+96 p. il. † ● Item 1045
L.C. card 67-62173 Y 4.P 96/10: P 56
- 15174 Highway beautification and highway safety programs, hearings before Subcommittee on Roads, 90th Congress, 1st session, on S. 1467, June 28-July 20, 1967. 1967. v+462 p. il. † ● Item 1045
L.C. card 67-62298 Y 4.P 96/10: H 53/21/967
- 15175 Nominations of Haddon, Syphers, Hardin, Barrett, and Bagge, joint hearing. See Commerce Committee, Senate.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15176 Senate office space, hearing before Subcommittee on Public Buildings and Grounds, 90th Congress, 1st session, on additional office space for Senate, Aug. 3, 1967. 1967. iii+46 p. † ● Item 1045
L.C. card 67-62352 Y 4.P 96/10: Se 5

**CONSUMER AND MARKETING SERVICE, Agriculture Dept.
Washington, D.C. 20250**

- 15177 Light air-cured tobacco market review, pt. 2, type 32, Maryland, 1966 crop (1967 season). Aug. 1967. 16 p. il. 4° (Tobacco Division; TOB-LA-11, pt. 2) † ● Item 24-D A 88.34/5: 966-67/pt.2
- 15178 United States standards for grades of refiners' sirup, effective June 15, 1967. 1st issue as amended. [1967.] [2]+4 p. 4° [Reprinted in latest edition of Federal register of June 15, 1967. Supersedes standards which have been in effect since Jan. 5, 1952.] † Chief, Processed Branch, Fruit and Vegetable Division, C&MS, Department of Agriculture, Washington, D.C. 20250 A 88.6/2: Si 79/3

**CUSTOMS BUREAU, Treasury Dept.
Washington, D.C. 20226**

- 15179 Conseils pratiques a l'intention des non-résidents, concernant les formalités douanières aux Etats-Unis Amérique. [May 1967.] 12 p. il. narrow 8°
* Paper, \$5.25 per 100; single copy, 10c. T 17.2: C 96/5/967/French

**DEFENSE DEPARTMENT
Washington, D.C. 20301**

Armed Forces Institute study guide.

- 15180 D 226.1. World geography II, high school course, study guide for use with USAFI course D 226; by Russell S. Spindler. 1967. 77 p. il. 4° † ● Item 305
L.C. card 67-62365 D 1.10: D 226.1
- 15181 Atlas of tumor pathology [published by Armed Forces Institute of Pathology under auspices of subcommittee on oncology of Committee on Pathology of Division of Medical Sciences of National Academy of Sciences, National Research Council]. [Issued with perforations.]
sec. 6. fascicle 22. Tumors of the intestines [with list of references; by] David A. Wood. [Army AFIP.] Washington, D.C., 1967. [1]+261+[5] p. il. 4° [The last 5 pages are left blank to be used for professional notes and findings. Some illustrations are colored.] † (Price upon application). American Registry of Pathology, Armed Forces Institute of Pathology, Washington, D.C. 20305.
L.C. card 50-61290 D 1.16: 6/22

Defense Supply Agency DSAR (series).

- 15182 4145.26. Commercial warehouse service plan for Department of Defense agencies. [July 12, 1967.] 13+[2] p. 4° (AR 740-30; NAVSUPINST 4450.19; AFR 67-73; MCO 4050.2.) [Supersedes DSAR 4145.26, AR 740-30, NAVSUPINST 4450.19, MCO 4450.9, Sept. 23, 1966, and AFR 67-73, Aug. 28, 1959. Issued in looseleaf form.] * Paper, 10c. ● Item 323
D 7.6/6: 4145.26/2
- 15183 Federal item identification guide: Conduit fittings; [prepared by Defense General Supply Center]. June 16, 1967. cover title, ix+[60] p. il. 4° (FIIG A018; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, 45c. ● Item 314-A D 7.6/4: C 75
- 15184 — Furnaces and space heaters. May 26, 1967. cover title, ix+[37] p. 4° (FIIG A013; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, 35c. ● Item 314-A D 7.6/4: F 98
- 15185 — Inner tube, pneumatic tire. June 9, 1967. cover title, vi+[16] p. 4° (FIIG A009; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, 25c. ● Item 314-A D 7.6/4: In 6

GOVERNMENT PUBLICATIONS

- 15186 Federal item identification guide: Rivets, rivet caps, and collars. May 26, 1967. cover title, x+[89] p. il. 4° (FIIG A040; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, 65c. ● Item 314-A D 7.6/4: R 52
- 15187 — Threaded fasteners. May 1, 1967. cover title, xxi+[243] p. il. 4° (FIIG A003; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] * Paper, \$1.50. ● Item 314-A D 7.6/4: F 26
- 15188 Index of specifications and standards: July 1, 1967. [1967.] [Issued in looseleaf form.] [Supersedes Index dated July 31, 1966 and supplement dated May 31, 1967.] * Paper, \$20.00 (including basic issues pt. 1 and 2, with cumulative bi-monthly supplements for each part for an indefinite period); \$5.00 additional for foreign mailing. ● Item 314-G
L.C. card 67-1775 D 7.14: 967/pt.2
pt. 2. Numerical listing. viii + 934 + 134 p. 4°
- Military standards. ‡ ● Item 314-J D 7.10: (nos.)
- 15189 MIL-STD-640E(AT). Sedans, station wagons, ambulances, and buses, standard models and special equipment requirements. May 24, 1967. [2]+6 p. 4° (FSC 2310.) [Issued with perforations. Supersedes MIL-STD-640D, Aug. 15, 1964.]
- 15190 MIL-STD-641E(AT). Trucks and truck tractors, commercial, gasoline and diesel engine driven, 3200 pounds to 32,000 pounds GVW, 4X2, standard models and special equipment requirements. May 23, 1967. [2]+9 p. 4° (FSC 2320.) [Issued with perforations. Supersedes MIL-STD-641D, Aug. 15, 1964.]
- 15191 MIL-STD-803A-3(USAF). Human engineering design criteria for aerospace systems and equipment: pt. 3. Aerospace vehicles and vehicle equipment. May 19, 1967. x+79 p. il. 40° (Misc.) [Includes list of guidance documents. Supersedes MIL-STD-803(USAF), Nov. 5, 1959.]
- 15192 MIL-STD-1176(AT). Trucks and truck tractors, commercial, gasoline and diesel, 36,000 pounds to 60,000 pounds GVW, 6X6, standard models and special equipment requirements. May 22, 1967. [2]+4 p. 4° (FSC 2320.) [Issued with perforations.]
- 15193 MIL-STD-1203. Inorganic salts and compounds, technical grade (aluminum ammonium sulfate through barium peroxide). Mar. 31, 1967. vi+27 p. 4° (FSC 6810.) [Issued with perforations.]
- 15194 MIL-STD-1209. Inorganic salts and compounds, technical grade (strontium nitrate through zinc oxide). May 8, 1967. v+19 p. 4° (FSC 6810.)
- 15195 MIL-STD-1229D(AT). Trucks and truck tractors, commercial, gasoline engine driven, 3500 to 34,000 pounds GVW, 4X4, standard models and special equipment requirements. May 23, 1967. [2]+7 p. 4° (FSC 2320.) [Issued with perforations. Supersedes MIL-STD-1229C, Aug. 15, 1964.]
- 15196 MIL-STD-1230D(AT). Same: gasoline and diesel engine driven, 34,500 to 64,000 pounds GVW, 6X4, standard models and special equipment requirements. May 23, 1967. [2]+5 p. 4° (FSC 2320.) [Issued with perforations. Supersedes MIL-STD-1230C, Aug. 15, 1964.]
- 15197 MIL-STD-1271A. Symbols to supplement text of instruction plates for military vehicles. June 1, 1967. v+10 p. il. 4° (FSC 2320.) [Issued with perforations. Supersedes MIL-STD-1271, May 5, 1962.]
- 15198 MIL-STD-1312. Fasteners, test methods. May 31, 1967. v+[17] p. il. 4° (FSC 5300.)
- 15199 MILSTRIP military standard requisitioning & issue procedures, Change 15; July 15, 1967. [1967.] [210] p. 4° (DoD 4140.17-M; Office of Assistant Secretary of Defense, (Installation and Logistics).) [Issued in looseleaf form.] * Paper, \$1.25. ● Item 314-A D 7.6/4: M 59/ch.15
- [Poster] DSA P-(series). (Defense Supply Agency.)
- 15200 5220.6. Security takes no vacation! 1967. 22 x 14 in. * Paper, 15c. D 7.19: 5220.6

*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

**DISTRICT OF COLUMBIA
Washington, D.C. 20004**

- 15201 List of legal investments for trust funds in District of Columbia, as of July 1, 1967. [1967.] ii+69 p. [Semiannual.] † Office of Register of Wills and Clerk of Probate Court, Washington, D.C. ● Item 430-A DC 21.9: 967-2

**ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept.
Washington, D.C. 20230**

- 15202 Maximum grant rates for public works grants in qualified areas under Public works and economic development act of 1965, Public law 89-136. July 30, 1967, cover title, viii+63 p. 4° ([Office of Planning Support, Qualification Division.]) † ● Item 130-D
L.C. card 66-61562 C 46.2: P 96/5/967

**ECONOMIC OPPORTUNITY OFFICE, Executive Office of the
President, Washington, D.C. 20506**

- 15203 How to apply for legal services program. [1967.] v+[34] p. 4° (Community Action Program: C-20a.) † ● Item 857-H-2 PrEx 10.8: L 52/2
Project Head Start (series).
- 15204 11. Daily program 3 for child development center [manual for teachers, with list of publications for further reading; by Minnie Perrin Berson]. [1967.] cover title, 48 p. il. ([H 27; Community Action Program.]) [Text on p. 4 of cover.] † ● Item 857-H-2 PrEx 10.12: 11
- 15205 So . . . you want to be a cosmetologist. [1967.] [6] p. il. narrow 12° (Job Corps Center for Women.) † ● Item 857-H-11 PrEx 10.20: C 82
- 15206 So . . . you want to be a licensed practical nurse. [1967.] [6] p. il. narrow 12° (Job Corps Center for Women.) † ● Item 857-H-11
PrEx 10.20: N 93
- 15207 So . . . you want to be a secretary. [1967.] [6] p. il. narrow 12° (Job Corps Center for Women.) † ● Item 857-H-11 PrEx 10.20: Se 2
- 15208 Who will open this child's eyes? Retired teachers have an opportunity to reach the forgotten through VISTA, Volunteers in Service to America. [1967.] [3] p. il. narrow 8° † ● Item 857-H PrEx 10.2: C 43/3

**ECONOMIC RESEARCH SERVICE, Agriculture Dept.
Washington, D.C. 20250**

Foreign agricultural economic report.

- 15209 35. World food situation, prospects for world grain production, consumption, and trade: [by Martin E. Abel and Anthony S. Rojko]. [1967.] [1]+iii +29 p. il. 4° * Paper, 20c. ● Item 42-B
L.C. card Agr 67-320 A 93.27: 35

**EDUCATION OFFICE, Health, Education, and Welfare Dept.
Washington, D.C. 20202**

- 15210 Campus and community, address by Harold Howe II, Commissioner of Education, Department of Health, Education, and Welfare [before National Working Conference, State Commissions for Higher Education Facilities, Raleigh, N.C., Aug. 7, 1967. [1967.] 11 leaves, 4° †
FS 5.8: H 83/36
- 15211 Education directory 1966-67: pt. 1, State governments; [prepared by Madeline G. Hagermann]. [1967.] cover title, 158 p. ([OE-20004-67.]) [Text on p. 2 of cover.] * Paper, 60c. ● Item 460 & 460-A-20
L.C. card E 13-213 FS 5.25: 966-67/pt.1
- 15212 Education '67, its programs and services [with lists of supplementary materials]. [1967.] iv+97 p. il. oblong 16° ([OE-11006-67.]) * Paper, 35c. ● Item 460-A-11
L.C. card HEW 67-146 FS 5.211: 11006-67

GOVERNMENT PUBLICATIONS

- 15213 Nobody wanted school desegregation [but the law said it had to be done and Moore County, N.C., did it in a quiet, sensible way; by David Cooper]. [1967.] [4] p. il. large 4° ([OE-38004.]) [Reprinted from American education, June 1967.] * Paper, 10c. ● Item 460-A-38
FS 5.238: 38004
- 15214 Peering across the generation gap, address by Harold Howe II, Commissioner of Education, Department of Health, Education, and Welfare, before annual national conference, National Student Association, College Park, Md., Aug. 22, 1967. 12 leaves, 4° †
FS 5.8: H 83/38
- 15215 [Pennywise teenagers; by Esther Peterson.] [1966.] [6] p. il. large 4° ([OE-10044.]) [Reprinted from American education, Apr. 1966.] * Paper, 15c. ● Item 460-A-10
FS 5.210: 10044
- 15216 Postdoctoral fellowships in educational research. [1967.] 6 p. il. narrow 8° ([OE-55037-67.]) † ● Item 460-A-55
FS 5.255: 55037-67
- 15217 Schoolhouses for big cities; by William W. Chase. [1965.] 10+[2] p. il. f° (OE-21031.) [Reprint from American education, Feb. 1965.] * Paper, 25c.
FS 5.221: 21031
- 15218 Title 1, Elementary and secondary education act of 1965 (Pl 89-10), school year 1965-66, highlights. [1967.] cover title, [1]+18 p. il. oblong 12° (Division of Compensatory Education, Bureau of Elementary & Secondary Education.) † ● Item 461 (Rev. 1965).
FS 5.2: E1 2/5/965-66

EMPLOYEES' COMPENSATION BUREAU, Labor Dept. Washington, D.C. 20210

- 15219 When injured at work [guide for injured Federal employees]. [Revised] June 1967. [1967.] [4] p. il. narrow 8° (Pam BEC-11.) †
L 26.6/2: In 5/967

EMPLOYMENT SECURITY BUREAU, Labor Dept. Washington, D.C. 20210

- 15220 Attention: New veterans! older veterans! Veterans Employment Service will help you start or resume your civilian career, here are facts. [1967.] [6] p. il. narrow 8° † ● Item 755
L 7.2: V 64/11
- 15221 Manpower development and training act of 1962, as amended, MDTA handbook: chap. 3, Training project development; Dec. 1965. [Revised edition.] [1967.] cover title, vi+[172] p. 4° (Employment Service, Branch of Training Procedures and Standards.) [Issued in looseleaf form.] † ● Item 756-B
L 7.25/3: M 31/chap.3
- 15222 Rural youth, what kind of work would you like to do? [with list of reading material]. [1967.] [2]+[8] p. il. ([United States Employment Service.]) † ● Item 755
L 7.2: Y 8/8
- 15223 Success [for Negro Americans in field of employment]. [1967.] [2]+34+[4] p. il. oblong 24° [United States Employment Service.] † ● Item 755
L 7.2: Su 1

ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, D.C., 20310, Attention Publications Office.

- 15224 Atchafalya River and Bayous Chene, Boeuf, and Black, La., letter from chief of engineers, Army, submitting report on review of reports; Aug. 10, 1967. 1967. xii+76 p. il. 1 pl. 4° [Also issued as H. doc. 155, 90th Cong., 1st sess.] † ● Item 334-A
D 103.22: At 2/2
- 15225 Park River basin, Conn., letter from chief of engineers, Army, submitting report on review of reports; Aug. 9, 1967. 1967. xii+70 p. il. 2 pl. 4° [Also issued as S. doc. 43, 90th Cong., 1st sess.] † ● Item 334-A
D 103.22: P 21

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Regulations ER (series). [Issued in looseleaf form.]

- 15226 1190-1-10. Joint civil defense support group (CE-NAVFAC), national fallout shelter survey program, phase 1 survey instructions, Aug. 1, 1967. cover title, [85] p. il. 4° [Rescinds ER 1190-1-10, Dec. 1, 1966.] † ● Item 341 D 103.6/4: 1190-1-10
- 15227 Salem Church Reservoir, Rappahannock River, Va., letter from chief of engineers, Army, submitting report on review of reports; July 17, 1967. 1967. xxv+106 p. 1 pl. 4° [Also issued as S. doc. 37, 90th Cong., 1st sess.] † ● Item 334-A D 103.22: Sa 3/7
- 15228 Sweetwater River, San Diego County, Calif., letter from chief of engineers, Army, submitting report; July 24, 1967. 1967. xxxiv+116 p. il. 1 pl. 4° [Also issued as H. doc. 148, 90th Cong., 1st sess.] † ● Item 334-A D 103.22: Sw 3

Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (price upon application).

— Miscellaneous paper.

- 15229 4-919. Environmental characteristics of tunnels in South Vietnam; by E. E. Addor. Army-MRC Vicksburg, Miss., Aug. 1967. x+54+[204] p. il. 4° [Sponsored by Advanced Research Projects Agency, Directorate of Remote Area Conflict, ARPA order 919 and Army Materiel Command; AMC project 1V02500114131.] † D 103.24/4: 4-919

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION,
Commerce Dept., Washington, D.C. 20235

ESSA professional paper.

- 15230 1. Effects of tropical cyclone rainfall on distribution of precipitation over Eastern and Southern United States [with list of references; by] George W. Cry. June 1967. iv+67 p. il. 4° * Paper, 50c. ● Item 208-B-6 C 52.20: 1
L.C. card 67-62462

ESSA technical memorandum. (Institutes for Environmental Research;
National Severe Storms Laboratory.)

- 15231 IERTM-NSSL-33. On continuity of water substance [with lists of references; by] Edwin Kessler. Apr. 1967. xiv+125 p. il. 4° Φ Paper, \$3.00. C 52.15/2: IERTM-NSSL-33
- 15232 Federal plan for weather radars & remote displays [fiscal years 1967-71; prepared by Interdepartmental Committee for Meteorological Services of Office of Federal Coordinator for Meteorological Services and Supporting Research]. [May 1967.] cover title, [2]+54 p. il. oblong 8° (OFCM-67-3.) [Prepared in cooperation with Air Force, Army, Federal Aviation Administration, National Aeronautics and Space Administration, Navy and ESSA-Weather Bureau. Text on p. 2-3 of cover.] * Paper, 40c. ● Item 208-B-1
L.C. card 67-62459 C 52.2: W 37/2

FAMILY SERVICES BUREAU, Health, Education, and Welfare Dept.
Washington, D.C. 20201

- 15233 Public assistance, costs of State and local administration, services, and training, fiscal year 1966. Mar. 2, 1967. [13] p. oblong 8° (Division of Research.) [Issued with perforations.] † FS 14.202: P 96/7/966

FARMER COOPERATIVE SERVICE, Agriculture Dept.
Washington, D.C. 20250

Educational circular.

- 15234 32. Organizing and conducting cooperatives' annual meetings. [July 1967.] cover title, iv+60 p. il. oblong 24° [Supersedes FCS circular 22, Making the most of your co-op annual meeting. Text on p. 2 of cover.] † ● Item 64 A 89.4/2: 32

General report.

- 15235 142. Inventory control and valuation practices of local cooperative grain elevators [with list of other publications available; by Richard M. Ackley]. [July 1967.] vi+16+[1] p. il. 4° † ● Item 65-A A 89.11: 142
L.C. card Agr 67-319

ΦFor Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

FEDERAL AVIATION ADMINISTRATION, Transportation Dept. Washington, D.C. 20553

- 15236 Aircraft specifications. Apr. 1967. cover title, [2498] p. il. 4° [Consolidated reprint contains all current aircraft specifications and type certificate data sheets issued by FAA through Mar. 1967, including 65 supplements. Includes alphabetical index dated Jan. 1, 1967, and aircraft listing dated July 1, 1949. Issued in looseleaf form.] * Paper, \$20.00 (including monthly supplements), \$5.00 additional for foreign mailing. ● Item 431-C-2 TD 4.15:967

Federal aviation regulations. [Issued in looseleaf form.] ● Item 431-C-13 TD 4.6:(nos.)

- 15237 47. Aircraft registration. [Revised May 1, 1966.] [1967.] cover title, [18] p. 4° [Consolidated reprint incorporating Changes 1-3.] * Paper, 25c.
15238 pt. 77. Objects affecting navigable airspace. Revised May 1, 1965. [1967.] cover title, [40] p. il. 4° [Consolidated reprint incorporates Changes 1 and 2. * Paper, 35c.

FEDERAL CREDIT UNIONS BUREAU, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 15239 Accounting manual for Federal credit unions [new and revised pages]. [Aug. 1967.] [38] p. 4° [Issued in looseleaf form.] † ● Item 526-B FS 3.306/2: Ac 2/rev.pages

FEDERAL HOME LOAN BANK BOARD Washington, D.C. 20552

- 15240 Federal Savings and Loan Insurance Corporation, financial statements, June 30, 1967. [1967.] [6] p. il. narrow 8° † FHL 1.2: F 31/2/967-2
15241 Nonfarm mortgage investments of life insurance companies, 1966. [Aug. 1967.] cover title, 8 p. il. ([Data Management Division.]) † L.C. card 51-16791 FHL 1.18:966
15242 Rules and regulations for Federal savings and loan system, Mar. 1, 1966, changes; pamphlet inserts 3. [1967.] [57] leaves. (Office of General Counsel.) [Issued with perforations. Covers amendments through July 7, 1967.] † FHL 1.6: Sa 9/966/insert 3

FEDERAL MARITIME COMMISSION Washington, D.C. 20573

- 15243 Alaska trade study, regulatory staff analysis [with bibliography]; prepared by Bureau of Domestic Regulation. July 1967. vi+[163] p. il. 4° * Paper, \$1.25. ● Item 432-L-1 L.C. card 67-62440 FMC 1.2: A11 s
15244 Decisions of Federal Maritime Commission: v. 9, May 1965-June 1966. 1967. xiv+[1]+623 p. * Cloth, \$2.75. ● Item 233-A L.C. card 42-49992 FMC 1.10:9

FEDERAL POWER COMMISSION Washington, D.C. 20426

National electric rate book, rate schedules for electric service in communities of 2,500 population or more, residential, commercial, and industrial services. [Issued with perforations.]

NOTE.—The complete rate book is made up of separate publications, each representing a State. They are sold on subscription basis by the Superintendent of Documents, \$8.00 a year, \$3.00 additional for foreign mailing; single copy, 25c.

- 15245 National electric rate book: Illinois. May 1967. [2]+30 p. 4° [Issued with perforations. Supersedes issue of May 1966.] ● Item 437-A-11 FP 1.18: II 6/967

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

- 15246 — Massachusetts, June 1967. [2]+34 p. 4° [Issued with perforations. Supersedes issue of Sept. 1966.] ● Item 437-A-19 FP 1.18: M 38/967
- 15247 Regulations under Natural gas act (with approval forms) in effect Aug. 1, 1967. 1967. xiii+[105] p. ([FPC A-96.]) [Issued in looseleaf form.] * Paper, \$2.00 (including basic manual and supplementary material for an indefinite period); 50c. additional for foreign mailing. ● Item 439 L.C. card 56-61091 FP 1.7: G 21/3/967

FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS
Washington, D.C. 20551

- 15248 Commodity money, remarks of George W. Mitchell, member, Board of Governors of Federal Reserve System at Graduate School of Banking, University of Wisconsin, Madison, Wis., Aug. 21, 1967. [1967.] [1]+12 leaves, 4° † FR 1.23: M 69/41
- 15249 Ideology and inflation, implications of price and wage trends for national stabilization policies, remarks by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System at 1967 session of Pacific Coast Banking School at University of Washington, Seattle, Wash., Aug. 23, 1967. [2]+2-23 p. 4° † FR 1.23: B 77/17
- 15250 Rules of practice for formal hearings, as revised effective Aug. 1, 1967. [1967.] [4]+22 p. [Code of Federal regulations, title 12, sec. 263.] † FR 1.8/2: H 35

FEDERAL SUPPLY SERVICE, General Services Administration
Washington, D.C. 20405

- 15251 Federal specifications. ● Item 563 GS 2.8:

NOTE.—These specifications are now so completely covered by the Index of Federal specifications, standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.

Complete information on the Index of Federal specifications will be found in the Appendix to the February 1967 issue of the Monthly Catalog under Entry number 3409 and in the April 1967 issue under Entry number 6335.

Federal test method standards. [Issued in looseleaf form.] ● Item 563

NOTE.—Federal test method standards may be purchased from the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.

- 15252 228. Cable and wire, insulated, methods of testing. Apr. 14, 1967. cover title, [249] p. il. 4° [Supersedes Fed. Spec. J-C-98, Sept. 11, 1951.] † GS 2.8/7: 228

FEDERAL WATER POLLUTION CONTROL ADMINISTRATION,
Interior Dept., Washington, D.C. 20242

- 15253 Conference in matter of pollution of interstate and intrastate waters of upper Mississippi River and its tributaries, Minn. and Wis., proceedings, 2d session, Minneapolis, Minn., Feb. 28, Mar. 1 and 20, 1967. [1967.] † ● Item 473-A-1 v. 3. cover title, [6]+3-222 p. 4° I 67.2: M 69i/v.3 L.C. card 67-62206
- 15254 Inventory of research in water pollution and other related fields, Columbia Basin and Pacific Coast States; compiled by Lyman J. Nielson. Nov. 1966. [3]+viii+135 p. 4° (Pacific Northwest Water Laboratory, Corvallis, Oreg.) † I 67.2: C 72 L.C. card 67-62466

♠For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 35

GOVERNMENT PUBLICATIONS

FISH AND WILDLIFE SERVICE, Interior Dept. Washington, D.C. 20240

Conservation note.

- 15255 13. New England's commercial fisheries. [Dec. 1962.] [8] p. il. 4° [Issued with perforations.] † I 49.36/2:13

Fishery leaflet. (Bureau of Commercial Fisheries.)

- 15256 600. North Atlantic trawl nets [with list of references]; by Robert A. Bruce. Aug. 1967. iii+23 p. il. 4° † I 49.28:600

Fishery market development series. (Bureau of Commercial Fisheries.)

- 15257 5. Fish and shellfish buying guide and quantity recipes for type A school lunches [with list of publications on fish cookery; prepared by home economists of Bureau of Commercial Fisheries, in cooperation with School Lunch Division, Consumer and Marketing Service and Human Nutrition Research Division, Agricultural Research Service, Department of Agriculture]. [July 1967.] [106] cards, il. each 5 x 8 in. [Includes title cards, separator tab cards A-I, with accompanying recipe cards with text on reverse of most cards.] * Paper, \$2.50 per set. ● Item 611-F I 49.49/2:5

- 15258 Questions and answers on Federal baiting regulations: Waterfowl. [1967.] [6] p. narrow 8° ([Bureau of Sport Fisheries and Wildlife.]) †
● Item 612 I 49.2:W 29/6

Refuge leaflets. (Bureau of Sport Fisheries and Wildlife.) †

I 49.44: (nos.)

- 15259 12. National Bison Range. [1955, revised 1967.] [1967.] [4] p. il. 4°
15260 56. Monte Vista National Wildlife Refuge. June 1967. 4 p. il. 4°
15261 98. Ruby Lake National Wildlife Refuge. [July 1967.] 6 p. il. 4°
15262 104. Birds of Klamath Basin national wildlife refuges. [June 1967.] [8] p. narrow 8°
15263 119. Birds of Wanbay National Wildlife Refuge. [June 1967.] 4 p. 4°
15264 138. Birds of Tamarac National Wildlife Refuge. June 1967. 4 p. 4°
15265 536. Browns Park National Wildlife Refuge. [May 1967.] [2] p. il. 4°

- 15266 Report of Bureau of Commercial Fisheries for calendar year 1965. 1967. viii+127 p. il. † ● Item 613
L.C. card 62-61454 I 49.1/2:965

Resource publication.

- 15267 44. Underwater and floating-leaved plants of United States and Canada; by Neil Hotchkiss. May 1967. vii+124 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) [Text on p. 2 of cover.] * Paper, 65c. ● Item 613-B
L.C. card 67-62454 I 49.66:44

Special scientific report: Wildlife (series). (Bureau of Sport Fisheries and Wildlife.)

- 15268 105. Factors influencing waterfowl counts on aerial surveys, 1961-66 [with list of references]; by R. Kahler Martinson and Charles F. Kaczynski. June 1967. iv+78 p. il. 4° * Paper, 45c. ● Item 614-C I 49.15/3:105

FLIGHT STANDARDS SERVICE, Transportation Dept. Washington, D.C. 20553

- 15269 General aviation inspection aids, summary. 1967. cover title, vi+178 p. 4° ([Advisory circular AC 20-7D.]) [Text and illustration on p. 2-4 of cover. Issued with perforations.] * Paper, \$1.50 a yr. (including basic manual and 11 monthly supplements); 50c. additional for foreign mailing. ● Item 431-C-6 TD 4.409:967

FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 15270 BDAC [Bureau of Drug Abuse Control], a review, Mar. 1966 through Apr. 1967. [1967.] [18] p. il. 4° † ● Item 475 FS 13.102:D 84/7
15271 Drugs of abuse. [1967.] [8] p. il. 4° [Reprint from FDA papers, July-Aug. 1967. Illustrations are colored.] * Paper, 20c. FS 13.128/a:D 842

FDA publication.

- 15272 49. Citizenship and strawberry jam; [presented by Educational Services Staff]. [1967.] [4] p. 4° (FDA's life protection series.) [Prepared especially for 4-H clubs.] * Paper, 5c. ● Item 475-A FS 13.111:49

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15273 LSD, the false illusion. [1967.] [12] p. il. 4° [Reprint from FDA papers, July-Aug. 1967.] * Paper, 15c. FS 13.128/a: L 959
- 15274 Pesticides, report on residues in food; [by R. E. Duggan and Keith Dawson]. [1967.] [1]+8+[2] p. il. 4° [Reprint from FDA papers, June 1967. Some illustrations are colored.] * Paper, 25c. FS 13.128/a: P 439
- 15275 Safety of large volume parenteral solutions, national symposium, proceedings [Washington, D.C., July 28-29, 1966; with lists of references]. [1967.] cover title, iii+103 p. il. 4° † ● Item 475
L.C. card 67-62473 FS 13.102: P 21

**FOREST SERVICE, Agriculture Dept.
Washington, D.C. 20250**

- 15276 Cooperative forest fire control, program financing, Federal, State and private funds, under sec. 2, Clarke-McNary Law, act of June 7, 1924 (43 Stat. 653), cooperative financing expenditures f.y. 1966, allotments f.y. 1967. [1967.] 1 p. oblong 8° (Division of Cooperative Forest Fire Control, State and Private Forestry Cooperation.) †
A 13.2: F 51/49/966-67
- 15277 Forest fire statistics, [calendar year] 1966; prepared by Division of Cooperative Forest Fire Control. [1967.] cover title, iv+52 p. il. 4° †
L.C. card 53-63341 A 13.32/2: 966
- Forest pest leaflet.
- 15278 23. Texas leaf-cutting ant [with list of references]; by Wm. H. Bennett. June 1958, revised July 1967. [1967.] 4 p. il. † ● Item 82-A A 13.52: 23/2
- 15279 National forests in Pacific Northwest, 1966. [1967.] cover title, 24 p. il. 4° † P.O. Box 3623, Portland, Oreg. 97208 A 13.13/2: P 11/966
- 15280 National forests in profile, 1966 yearbook, Intermountain Region, Forest Service, Department of Agriculture, Ogden, Utah. [1967.] cover title, [24] p. il. 4° †
L.C. card 63-60296 A 13.57: 966
- Research note FPL-(series). (Forest Products Laboratory, Madison, Wis.) † A 13.79: FPL-(nos.)
- 15281 FPL-02. Comparison of wood preservatives in stake tests (1967 progress report); [by J. O. Blew.] May 1967. cover title, 86+[1] p. 4° [Text on p. 2 of cover.]
L.C. card 64-60444
- 15282 FPL-0165. Bleaching wood [with bibliography]. June 1967. cover title, [10]+1 p. 4° [Slight revision of Report 1705, under same title, originally written in 1948 by Leslie E. Downs. Abstract on p. 2 of cover.]
- Research note SE-(series). (Southeastern Forest Experiment Station, Asheville, N.C.) † A 13.79: SE-(nos.)
- 15283 SE-78. Two new sucking insect pests of seed in southern pine seed orchards; [by Gary L. DeBarr]. July 1967. [3] p. il. 4°
- 15284 SE-79. Recreation use estimation on Forest Service lands in United States [with list of literature cited; by George A. James]. July 1967. [5] p. il. 4°
- 15285 SE-80. Operational summer planting of slash pine; [by Robert P. Schultz and Lawrence P. White]. July 1967. [3] p. 4°
- 15286 SE-81. Five-year trend in price of pulpwood in Southeast, 1962-66; [by Richard L. Welch]. Aug. 1967. 2 p. 4°
- Research paper NOR-(series). (Northern Forest Experiment Station, Juneau, Alaska.)
- 15287 NOR-3. Photo identification guide for land and forest types of interior Alaska; by Karl M. Hegg. 1967. cover title, i+55+[1] p. il. map. 4° [Map is colored.] † A 13.78: NOR-3
- Research paper SE-(series). (Southeastern Forest Experiment Station, Asheville, N.C.) † A 13.78: SE-(nos.)
- 15288 SE-26. Reproducible system for evaluating forest fire retardants; by R. W. Johansen. Apr. 1967. cover title, 9 p. il. 4° [Accompanied by abstract cards. Page 9 printed on inside of back cover.]
- 15289 SE-27. Density and height growth in natural slash pine; by Arthur B. Collins III. May 1967. cover title, 8 p. il. 4° [Accompanied by abstract cards.]

GOVERNMENT PUBLICATIONS

Resource bulletin SE--(series). (Southeastern Forest Experiment Station, Asheville, N.C.)

- 15290 SE-8. Virginia's timber; by Herbert A. Knight and Joe P. McClure. 1967. iv+47 p. il. 4° †
L.C. card 67-62463 A 13.80 : SE-8
- 15291 Umatilla National Forest, multiple use highlights, 1966. [1967.] cover title, 12 p. il. 4° †
A 13.13/2 : Um 1/966

GENERAL ACCOUNTING OFFICE

Washington, D.C. 20548

- 15292 Decisions of Comptroller General, v. 45, July 1, 1965-June 30, 1966. [1967.] xxxi+1035 p. * Cloth, \$4.00. • Item 544
L.C. card 22-24145 GA 1.5 : 45
- 15293 Report to Congress of United States: Balance-of-payments aspects of barter contracts for acquisition of industrial diamonds for stockpile, Department of Agriculture, Department of State; by Comptroller General of United States. Aug. 1967. cover title, [3] leaves+30 p. 4° † Paper, \$1.00.
L.C. card 67-62308 GA 1.13 : D 54
- 15294 ——— Compilation of General Accounting Office findings and recommendations for improving Government operations, fiscal year 1966; by Comptroller General of United States. Aug. 1967. cover title, [19]+164 p. 4° † Paper, \$1.00.
L.C. card 62-61660 GA 1.13 : G 74/2/966
- 15295 ——— Examination of financial statements of Federal Home Loan Bank Board for year ended Dec. 31, 1966; by Comptroller General of United States. Aug. 1967. cover title, [2] leaves+20 p. 4° † Paper, \$1.00.
GA 1.13 : F 31/19/966
- 15296 ——— Examination of financial statements of southeastern Federal power program, fiscal year 1966, Department of Interior and Department of Army; by Comptroller General of United States. Aug. 1967. cover title, 4+[1] leaves+23 p. 4° † Paper, \$1.00.
L.C. card 67-62469 GA 1.13 : So 8/4/966
- 15297 ——— Followup review of cotton inventory management by Commodity Credit Corporation, Department of Agriculture; by Comptroller General of United States. Aug. 1967. cover title, [5]+35 p. 4° † Paper, \$1.00.
L.C. card 67-62307 GA 1.13 : C 82/9
- 15298 ——— Need for revision of Foreign Service travel regulations to achieve reduction in per diem costs, Department of State; by Comptroller General of United States. Aug. 1967. cover title, [3] leaves+22 p. 4° † Paper, \$1.00.
L.C. card 67-62309 GA 1.13 : T 69/7
- 15299 ——— Problems associated with location and design of segments of Interstate Highway System in major metropolitan areas, Federal Highway Administration, Department of Transportation; by Comptroller General of United States. Aug. 1967. cover title, [3] leaves+56 p. il. 4° † Paper, \$1.00.
L.C. card 67-62320 GA 1.13 : H 53/28
- 15300 ——— Review of Federal participation in cost of airport projects involving donated land, Federal Aviation Administration, Department of Transportation; by Comptroller General of United States. Aug. 1967. cover title, [3] leaves+21 p. 4° † Paper, \$1.00.
L.C. card 67-62305 GA 1.13 : Ai 7/84
- 15301 ——— Savings from more economical use of communication facilities between Alaska and United States mainland, Department of Air Force, Alaska communication system; by Comptroller General of United States. Aug. 1967. cover title, [5]+25 p. 4° † Paper, \$1.00.
L.C. card 67-62304 GA 1.13 : Al 1s/6

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15302 — Survey of Agency for International Development's management and operation of commercial import program for Viet Nam, Department of State, Agency for International Development, Department of Defense; by Comptroller General of United States. Aug. 1967. cover title, [5] leaves+126 p. 4° † Paper, \$1.00.

L.C. card 67-62321

GA 1.13: V 67/4

GENERAL SERVICES ADMINISTRATION
Washington, D.C. 20405

- 15303 Basic laws and authorities of General Services Administration GSA handbook [revised pages as amended to May 1967]. [1967.] cover title, iii +[92] p. (GSL P 5000.4A.) [Issued with perforations.] * Paper, 45c.
● Item 560 GS 1.5: G 28/966/rev.pages

GEOLOGICAL SURVEY, Interior Dept.
Washington, D.C. 20405

Bulletins. ● Item 620

I 19.3: (nos.)

- 15304 1227. Geology of Mount Wilson quadrangle, western San Juan Mountains, Colo. [with list of references cited]; by Calvin S. Bromfield. 1967. vi+100 p. il. 6 pl. in pocket. [Prepared on behalf of U.S. Atomic Energy Commission. Bedded sequence of volcanic and sedimentary rocks more than 5,000 feet thick has been intruded by stocks and laccoliths. One plate is colored.] * Paper, \$1.25.
L.C. card GS 67-177
- 15305 1237. Geology and ore deposits of Philipsburg district, Granite County, Mont. [with list of references cited]; by William C. Prinz. 1967. v+66 p. il. [Study of silver-zinc and manganese deposits of Nation's only battery-grade manganese dioxide district. Issued in portfolio with 8 plates.] * Stiff board, \$4.75.
L.C. card GS 67-214
- 15306 1242-E. Coal resources of Cape Lisburne-Colville River region, Alaska [with list of references cited; by Farrell F. Barnes]. 1967. iii+37 p. il. 1 pl. in pocket. [Evaluation based on data obtained during investigations of petroleum possibilities of Naval Petroleum Reserve no. 4 and adjoining areas in 1923-26 and 1944-53. Contributions to economic geology. Plate is colored.] * Paper, 60c.

Circular.

- 15307 528. Reports and maps of Geological Survey released only in open files, 1966: by Betsy A. Weld, Margaret S. Griffin, and George W. Brett. 1967. [2]+14 p. 4° † ● Item 620-A
L.C. card GS 52-152

I 19.4/2: 528

Professional papers. ● Item 624

I 19.16: (nos.)

- 15308 520. Geology and uranium deposits of Raiston Buttes District, Jefferson County, Colo. [with list of references cited], by Douglas M. Sheridan, Charles H. Maxwell, and Arden L. Albee; with sections on Paleozoic and younger sedimentary rocks; by Richard Van Horn. 1967. v+121 p. [Prepared partly on behalf of Atomic Energy Commission. Comprehensive study of geology of major district of productive uranium veins on east flank of Front Range west of Denver. Issued in portfolio with 8 pl. 1 tab. Plates are colored.] * Paper, \$5.75.
L.C. card GS 67-293
- 15309 554-B. Big Snowy and Asaden groups and Mississippian-Pennsylvanian boundary in Montana [with list of references cited]; by Edwin K. Maughan and Albert E. Roberts. 1967. iii+27 p. il. 4 pl. in pocket, 4° [Study of Upper Mississippian and Pennsylvanian sedimentary formations with special emphasis on their regional correlation, variation in lithology, and age assignments. Shorter contributions to general geology. One plate is colored.] * Paper, \$1.50.
- 15310 558. Ore Knob copper deposit, N.C., and other massive sulfide deposits of Appalachians [with list of references cited]; by Arthur R. Kinkel, Jr. 1967. iv+53 p. il. 3 pl. in pocket, 4° [Effects of dynamic and thermal metamorphism on primary ore textures at Ore Knob are described, and similar Appalachian deposits are compared.] * Paper, \$1.25.
L.C. card GS 67-252
- 15311 581-A. Seismic reflection profiles along drill holes on Continental margin off Florida [with list of references cited]; by K.O. Emery and E. F. K. Zarudzki. 1967. vii+8 p. il. 4° [Prepared in cooperation with Woods Hole Oceanographic Institution and Joint Oceanographic Institutions' Deep Earth Sampling Program. Study of relation of continuous seismic reflection profiles across continental shelf, Florida-Hatteras slope, and Blake Plateau with stratigraphy of JOIDES drill-hole samples. Drilling on continental margin off Florida.] * Paper, 20c.

◆For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Water-supply papers. ● Item 625

I 19.13:(nos.)

- 15312 1817-C. Determination of phenoxy acid herbicides in water by electron-capture and microcoulometric gas chromatography [with list of references cited]; by Donald F. Goerlitz and William L. Lamar. 1967. iii+21 p. il. [Identification, measurement, and stability of phenoxy acid herbicides in water samples. Organic substances in water.] * Paper, 15c.
- 15313 1827-A. Form and stability of aluminum hydroxide complexes in dilute solution [with list of literature cited]; by J. D. Hem and C. E. Roberson. 1967. iv+55 p. il. [Determination of effect of pH on aluminum solubility and determination of composition of complexes most likely to occur in natural water. Chemistry of aluminum in natural water.] * Paper, 25c.
- 15314 1840-B. Floods of June 1964 in northwestern Montana [with list of selected references]; by F. C. Boner and Frank Stermitz. 1967. viii+242 p. il. 1 pl. in pocket. [Prepared in cooperation with Montana and agencies of Federal Government. Floods of 1964 in United States.] * Paper, \$1.50.
- 15315 1851. Surface-water hydrology of California coastal basins between San Francisco Bay and Eel River [with list of selected references]; by S. E. Rantz and T. H. Thompson. 1967. iv+60 p. il. 1 pl. in pocket. [Prepared in cooperation with California Department of Water Resources.] * Paper, 75c.
L.C. card GS 67-264

HEALTH, EDUCATION, AND WELFARE DEPARTMENT

Washington, D.C. 20201

- 15316 Programs for the handicapped. [Irregular. Prior to Aug. 14, 1967 issue, entitled Mental health report.] † FS 1.23/:(nos.)
67-11 Aug. 14, 1967—

HOUSING AND URBAN DEVELOPMENT DEPARTMENT

Washington, D.C. 20410

HUD SP/MP (series).

- 15317 54. Challenge of our cities; [by] Hubert H. Humpbrey, Vice President of United States. [1967.] cover title, 18 p. il. [Excerpts of addresses to Congress of Cities in Boston, Aug. 7, 1967, and national convention of National Association of Counties in Detroit, Aug. 8, 1967.] † ● Item 582-H
HH 1.28: 54

IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept.

Washington, D.C. 20536

- 15318 Authority of officers of Immigration and Naturalization Service to make arrests; [prepared by General Counsel of Immigration and Naturalization Service]. [Revised] May 1967. [1967.] cover title, 15 p. 12° (M-69.) †
● Item 725-A J 21.6/3: Ar 6
- 15319 Border patrol, its origin and its work † [1967.] cover title, ii+14 p. il. narrow 8° (M-157 (1967).) † ● Item 725 J 21.2: B 64/967
- 15320 Federal textbook on citizenship: Our Constitution and Government, home study course [for student]. Revised 1967. [1967.] viii+156 p. il. 4° (M-39.) [Last page left blank for notes.] * Paper, \$1.00. ● Item 724
L.C. card 43-50806 J 21.9: C 76/4/967

INDIAN AFFAIRS BUREAU, Interior Dept.

Washington, D.C. 20240

- 15321 Governing bodies of Indian groups under Federal supervision. [Jan. 1966.] [1]+20 p. † I 20.2: G 74/3
- 15322 Indian-State relations in their historical perspective, [address], by Robert L. Bennett, Commissioner of Indian Affairs, at annual Founders Day Banquet of State Historical Society of Wisconsin, Madison, Wis., Jan. 28, 1967. [1967.] 20 leaves, 4° † I 20.27: B 43

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

INTERDEPARTMENTAL COMMITTEE ON STATUS OF WOMEN

- 15323 Report on progress in 1966 on status of women, 3d annual report of Interdepartmental Committee and Citizens' Advisory Council on Status of Women, Dec. [31], 1966. [1967.] [3] leaves+111 p. 4° * Paper, 70c.
● Item 1067-I
L.C. card 66-62626

Y 3.InS/21:1/966

INTERIOR DEPARTMENT
Washington, D.C. 20240

NOTE.—Requests to the Interior Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 15324 Excerpts from remarks by Secretary of Interior Stewart L. Udall at dedication of Clair Engle desalting plant, San Diego, Calif. Aug. 19, 1967. [1967.] 5 leaves, 4° † I 1.68: Ud 1/41
- 15325 Natural resources of California. [1967.] 84 p. il. 4° (Office of Information.) [Includes list of Other Interior Department publications of special interest.] * Paper, 60c. ● Item 603-C
L.C. card 63-62363 I 1.91: C 12/967
- [Saline water] research and development progress reports. (Office of Saline Water.) ● Item 604-A-1 I 1.88:(nos.)
- 15326 225. Investigation of corrosion in hot sea water in experimental loop apparatus: by F. W. Fluk, E. L. White, and W. K. Boyd, Battelle Memorial Institute, Columbus, Ohio, Dec. 1966 [published 1967]. [4]+53 p. il. 4° ([Contract 14-01-0001-353.]) * Paper, 40c.
- 15327 241. 4th annual report, Brackish water conversion demonstration plant, Webster, S. Dak., covering period July 1, 1965-June 30, 1966; by Mason-Rust, Louisville, Ky. [1967.] vi+[4]+108+12 p. il. 4° [Series indicated on title page as Saline water conversion progress report.] * Paper, 65c.
L.C. card 66-62217
- 15328 250. Potential contribution of desalting to future water supply in Texas; by Southwest Research Institute, Houston and Texas Water Development Board, Nov. 1966 [published 1967.]. ix+[318] p. il. 4° ([Contract 14-01-0001-603.]) [Errata 1 p. oblong 24° was issued also.] * Paper, \$2.00.
L.C. card 67-62056
- 15329 251. Parametric cost studies of multistage flash process [with list of references]; by F. deWinter, S. E. Sadek, and J. M. Reynolds, Dynatech Corporation, Cambridge, Mass. Mar. 1967. cover title, [1]+xii+151 p. il. 4° ([Contract 14-01-0001-681.]) * Paper, \$1.00.
- 15330 252. Conceptual design study of one million gallon per day MSM desalination plant-replacement for demonstration plant no. 2 at Point Loma, San Diego, Calif.; [by] Fluor Corporation, Ltd., Los Angeles, Calif. Apr. 1967. [2]+iv+[126] p. 21 pl. 4° ([Contract 14-01-0001-414.]) * Paper, \$2.50.
- 15331 255. Permeability requirements of membranes for use in desalination by reverse osmosis [with list of literature cited]; by H. E. Podall, July 1957. [1967.] [2]+43 p. il. 4° * Paper, 30c.
- 15332 259. Transport of electrolytes through membrane systems, 2d annual report; by Milton S. Mintz and Robert E. Lacey, Southern Research Institute, Birmingham, Ala. [1967.] [2]+vii+42 p. il. 4° ([Contract 14-01-0001-464.]) * Paper, 35c.
- 15333 262. Behavior of water in various States; by J. A. Schulte [and others]. July 1967. [2]+49 p. il. 4° [Grant 14-01-0001-610.] * Paper, 35c.
L.C. card 67-62457

INTERNAL REVENUE SERVICE, Treasury Dept.
Washington, D.C. 20224

- 15334 Looseleaf regulations system: Service 4, Excise taxes, transmittal 50. July 14, 1967. [11] p. 4° ● Item 961 T 22.19/3:4/traus.50

NOTE.—Service 4 consists of pts. 40-42, 44-50, and 146-150 of title 26 of Code of Federal Regulations. It is sold on a subscription basis by the Superintendent of Documents, \$8.00 (including basic material and supplements issued irregularly for approximately 3 years); \$3.00 additional for foreign mailing.

- 15335 — Service 5, Procedure and administration, transmittal 36. July 14, 1967. [20] p. 4° ● Item 961 T 22.19/3:5/trans.36

NOTE.—Service 5 consists of pts. 152, 301-303 and 601 of title 26 of Code of Federal Regulations. It is sold on a subscription basis by the Superintendent of Documents, \$4.50 (including basic material and supplements issued irregularly for approximately 3 years); \$1.00 additional for foreign mailing.

GOVERNMENT PUBLICATIONS

- 15336 Statistics of income, 1962: supplemental report, Personal wealth estimated from estate tax returns filed during calendar year 1963; prepared by Statistics Division. [1967.] vii+103 p. il. 4° (Publication 482 (7-67).) * Paper, 65c. ● Item 964
L.C. card 67-62455 T 22.35/2: W 37/962
- 15337 Statistics of income, 1964, preliminary: Corporation income tax returns with accounting periods ended July 1964-June 1965. [1967.] [2]+ii+41 p. il. 4° (Publication 159 (7-67).) * Paper, 25c. ● Item 964
L.C. card 20-26969 T 22.35/3: C 81/964
- 15338 Tobacco tax guide, transmittal 18; July 17, 1967. [1967.] [40] p. 4° Publication 464. [Issued in looseleaf form.] * Paper, \$3.50 (including basic guide and supplementary material for an indefinite period); \$1.00 additional for foreign mailing. ● Item 956-A T 22.19/5: 964/trans.18

INTERNATIONAL COMMERCE BUREAU, Commerce Dept. Washington, D.C. 20230

- 15339 Semiannual checklist, Bureau of International Commerce, international business publications. July 1967. 40 p. il. 4° [Includes market share reports.] † ● Item 231-D C 42.15: C 41/967-2
- 15340 Sources of credit information on foreign firms, for United States firms trading, investing, or manufacturing abroad. 1967. iv+108 p. * Paper, 35c. ● Item 231-A
L.C. card 67-62451 C 42.2: C 86/967

INTERNATIONAL DEVELOPMENT AGENCY, State Dept. Washington, D.C. 20523

- 15341 Information guide, economic and technical information on typical industries. [1967.] 7 p. 4° (Office of Private Resources.) † S 18.8: In 2

JOINT CHIEFS OF STAFF, Defense Dept. Washington, D.C. 20301

- 15342 National Security Seminar: Presentation outline and reading list, 1967-68, [gray team]. July 1967. xvi+537 p. il. 4° (Industrial College of Armed Forces.) [Some pages are left blank to be used for notes. Issued with perforations.] † ● Item 315-A D 5.9/2: 967-68

JOINT PUBLICATIONS RESEARCH SERVICE Washington, D.C. 20443

NOTE.—Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately.

- 15343-1 Communist Chinese scientific abstracts: Agricultural science and technology, no. 50; JPRS 42358.
- 15343-2 Communist Chinese scientific abstracts: Bio-medical sciences, nos. 224-239; JPRS 42047, 42158, 42185, 42223, 42261, 42270, 42299, 42315, 42324, 42340, 42352, 42357, 42393, 42395, 42398, 42413.
- 15343-3 Communist Chinese scientific abstracts: Chemistry, nos. 80-84; JPRS 42048, 42111, 42149, 42187, 42392.
- 15343-3A Communist Chinese scientific abstracts: Earth sciences, nos. 119-120; JPRS 42150, 42188.
- 15343-4 Communist Chinese scientific abstracts: Electronics and electrical engineering, no. 91; JPRS 42353.
- 15343-5 Communist Chinese scientific abstracts: Engineering and equipment, nos. 107-110; JPRS 42049, 42262, 42300, 42321.
- 15343-6 Communist Chinese scientific abstracts: General science, nos. 30-38; JPRS 42050, 42100, 42112, 42183, 42226, 42239, 42316, 42356, 42418.
- 15343-7 Communist Chinese scientific abstracts: Materials science and metallurgy, no. 29; JPRS 42354.
- 15343-8 Communist Chinese scientific abstracts: Physics and mathematics, no. 111; JPRS 42355.
- 15343-9 East European scientific abstracts: Bio-medical sciences, no. 81; JPRS 42257.
- 15343-10 East European scientific abstracts: Chemistry, no. 92; JPRS 42442.
- 15343-11 East European scientific abstracts: Cybernetics, computers, and automation technology, no. 28; JPRS 42043.
- 15343-12 East European scientific abstracts: Earth sciences, nos. 57-58; JPRS 42106, 42441.

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

- 15343-13 East European scientific abstracts: Electronics and electrical engineering, nos. 36-37; JPRS 42107, 42444.
- 15343-14 East European scientific abstracts: Engineering and equipment, no. 35; JPRS 42108.
- 15343-15 East European scientific abstracts: Materials science and metallurgy, no. 15; JPRS 42063.
- 15343-16 East European scientific abstracts: Physics and mathematics, no. 82; JPRS 42144.
- 15343-17 Economic and geographic translations on Latin America, nos. 84-89; JPRS 42117, 42132, 42160, 42192, 42348, 42474.
- 15343-18 Herald of communications, no. 6, 1967; JPRS 42105.
- 15343-19 Index of La Stampa and La Stampa sera, nos. 378-381; JPRS 42234, 42245, 42319, 42400.
- 15343-20 Index of Le Monde, no. 85; JPRS 42331.
- 15343-21 Military information on Eastern Europe, nos. 164-168; JPRS 42044, 42138, 42186, 42268, 42334.
- 15343-22 Organization, activities and personnel of East European academies of sciences, nos. 11-15; JPRS 42172, 42218, 42281, 42384, 42416.
- 15343-23 Political translations on Eastern Europe, no. 379-288; JPRS 42082, 42125, 42169, 42213, 42242, 42266, 42274, 42323, 42408, 42448.
- 15343-24 Press information report on Albania, nos. 223-225; JPRS 42114, 42236, 42403.
- 15343-25 Press information report on Iran, nos. 28-29; JPRS 42141, 42170.
- 15343-26 Problems in information transmission, v. 3, no. 2; JPRS 42439.
- 15343-27 Sociological translations on Eastern Europe, nos. 461-466; JPRS 42083, 42095, 42173, 42229, 42277, 42431.
- 15343-28 Soviet military translations, nos. 391-398; JPRS 42109, 42202, 42289, 42310, 42336, 42344, 42362, 42464.
- 15343-29 Soviet press materials on arms control and disarmament, no. 12; JPRS 42116.
- 15343-30 Soviet public health, USSR, no. 7, 1967; JPRS 42204.
- 15343-31 Translations from Hoc tap (Studies), North Vietnam, no. 6, 1967; JPRS 42180.
- 15343-32 Translations from Hung-ch'i (Red flag), nos. 63-65; JPRS 42140, 42168, 42269.
- 15343-33 Translations from Kommunist, nos. 9-10, 1967; JPRS 42134, 42314.
- 15343-34 Translations on Africa, nos. 614-629; JPRS 42080, 42118, 42151, 42184, 42206, 42243, 42302, 42311, 42317, 42342, 42376, 42380, 42387, 42420, 42450, 42456.
- 15343-35 Translations on Communist China: Economic, no. 31; JPRS 42271.
- 15343-36 Translations on Communist China: Political and sociological, nos. 413-421; JPRS 42070, 42097, 42121, 42129, 42171, 42222, 42260, 42349, 42359.
- 15343-37 Translations on Communist China: Science and technology, nos. 391-392; JPRS 42198, 42401.
- 15343-38 Translations on Cuba, nos. 608-615; JPRS 42102, 42142, 42232, 42286, 42313, 42379, 42381, 42472.
- 15343-39 Translations on East European agriculture, forestry, and food industries, nos. 573-581; JPRS 42084, 42166, 42214, 42258, 42282, 42350, 42405, 42411, 42446.
- 15343-40 Translations on East European electronic and precision equipment industries, no. 17; JPRS 42280.
- 15343-41 Translations on East European foreign trade, nos. 347-354; JPRS 42079, 42145, 42195, 42230, 42267, 42332, 42443, 42447.
- 15343-42 Translations on East European machinery industries, nos. 31-33; JPRS 42182, 42259, 42415.
- 15343-43 Translations on East European materials industries, nos. 382-388; JPRS 42085, 42146, 42254, 42278, 42333, 42375, 42410.
- 15343-44 Translations on East European service industries, nos. 548-558; JPRS 42045, 42096, 42147, 42191, 42279, 42329, 42339, 42374, 42406, 42423, 42449.
- 15343-45 Translations on economic organization and management in Eastern Europe, nos. 724-734; JPRS 42064, 42110, 42139, 42167, 42174, 42244, 42283, 42318, 42335, 42389, 42445.
- 15343-46 Translations on international Communist developments, nos. 987-994; JPRS 42099, 42128, 42200, 42285, 42373, 42424, 42468, 42475.
- 15343-47 Translations on Mongolia, nos. 143-144; JPRS 42159, 42308.
- 15343-48 Translations on Near East, nos. 157-186; JPRS 42046, 42051, 42072, 42081, 42098, 42113, 42115, 42127, 42181, 42189, 42208, 42224, 42231, 42247, 42255, 42272, 42275, 42297, 42312, 42327, 42330, 42343, 42347, 42360, 42377, 42414, 42425, 42455, 42459, 42473.
- 15343-49 Translations on North Korea, nos. 54-55; JPRS 42284, 42325.
- 15343-50 Translations on North Vietnam, nos. 218-240; JPRS 42052, 42071, 42101, 42123, 42130, 42131, 42175, 42205, 42207, 42240, 42246, 42253, 42263, 42264, 42326, 42341, 42346, 42385, 42399, 42409, 42421, 42457, 42469.
- 15343-51 Translations on south and east Asia, nos. 162-165; JPRS 42122, 42252, 42301, 42378.
- 15343-52 Translations on Soviet education, nos. 68-70; JPRS 42367, 42432, 42451.
- 15343-53 Translations on USSR agriculture, nos. 213-219; JPRS 42119, 42216, 42364, 42383, 42396, 42438, 42453.
- 15343-54 Translations on USSR communications, no. 87; JPRS 42471.
- 15343-55 Translations on USSR consumer goods and domestic trade, nos. 186-194; JPRS 42073, 42120, 42197, 42292, 42345, 42365, 42407, 42437, 42467.
- 15343-56 Translations on USSR labor, nos. 198-201; JPRS 42135, 42215, 42290, 42363.
- 15343-57 Translations on USSR transportation, nos. 192-194; JPRS 42074, 42196, 42291.
- 15343-58 USSR economy and industry: General information, nos. 144-155; JPRS 42073, 42126, 42133, 42152, 42201, 42225, 42238, 42288, 42309, 42412, 42435, 42461.
- 15343-59 USSR industrial development: Automotive and tractor industry, nos. 54-57; JPRS 42104, 42148, 42328, 42462.
- 15343-60 USSR industrial development: Chemical industry and machinery, nos. 55-58; JPRS 42076, 42136, 42293, 42466.

- 15343-61 USSR industrial development: Construction, construction machinery, and building materials, nos. 97-102; JPRS 42077, 42203, 42217, 42294, 42368, 42434.
 15343-62 USSR industrial development: Electric power, fuels and related equipment, nos. 63-66; JPRS 42251, 42295, 42369, 42436.
 15343-63 USSR industrial development: Electronics and precision equipment, nos. 27-29; JPRS 42296, 42370, 42465.
 15343-64 USSR industrial development: Metallurgy and minerals, nos. 59-64; JPRS 42078, 42199, 42371, 42433, 42452, 42463.
 15343-65 USSR industrial development: Metal-working equipment, no. 217; JPRS 42372.
 15343-66 USSR international economic relations, nos. 98-101; JPRS 42137, 42157, 42320, 42366.
 15343-67 USSR scientific abstracts: Chemistry, no. 44; JPRS 42143.
 15343-68 USSR scientific abstracts: Cybernetics, computers, and automation technology, no. 45; JPRS 42303.
 15343-69 USSR scientific abstracts: Electronics and electrical engineering, no. 80; JPRS 42470.
 15343-70 USSR scientific abstracts: Materials science and metallurgy, nos. 37-39; JPRS 42235, 42241, 42256.
 15343-71 USSR scientific abstracts: Physics and mathematics, nos. 116-118; JPRS 42394, 42419, 42476.
 15343-72 Vestnik of the USSR Academy of Medical Sciences, no. 6, 1967; JPRS 42298.
 15343-73 Vestnik of USSR Academy of Sciences, v. 37, no. 3; JPRS 42386.

15344 Catalog [current translations] addendum. Aug. 23, 1967. 1 p. oblong 24° +
 Y 3.J66:15/966/add.-4

JPRS (series).

Y 3.J66:13/(nos.)

- 15345 42053. Soviet fishery research on Antarctic krill, USSR [articles, with bibliographies; edited] by R. N. Burnovskiy. Aug. 2, 1967. [2]+a-b+93 p. il. 4° + Paper, \$3.00 (TT: 67-32683).
 15346 42054. Studies of contractile muscle proteins, USSR [articles, with bibliographies]. Aug. 2, 1967. [2]+a+35 p. il. 4° [From Biofizika, v. 8, nos. 5 and 6, 1963.] + Paper, \$3.00 (TT: 67-32684).
 15347 42055. Preparation and preservation of bones and their use in plastic surgery of joints, USSR [excerpts]; by A. S. Imamaliyev. Aug. 2, 1967. [2]+a+56 p. il. 4° + Paper, \$3.00 (TT: 67-32685).
 15348 42056. Electron microscopic investigation of structure of cerebral cortex and mitochondrial nerve cells, USSR [articles, with bibliographies]. Aug. 2, 1967. [2]+a+67 p. il. 4° [From Arkhiv anatomii, gistologii i embriologii, v. 48, 1965, Tsitologiya, v. 7, 1965, and Zhurnal neuropatologii i psikiatrii imeni S. S. Korsakova, v. 63-65, 1964-65.] + Paper, \$3.00 (TT: 67-32686).
 15349 43057. Organization of interdisciplinary cybernetic studies in USSR; by S. Miku-linskii. Aug. 2, 1967. [2] p.+5 leaves, 4° + Paper, \$3.00 (TT: 67-32687).
 15350 42058. Research on chemistry and technology of fertilizers, pesticides and salts, USSR [excerpts]. Aug. 2, 1967. [2]+9 p. 4° + Paper, \$3.00 (TT: 67-32688).
 15351 42059. Largest coronagraph installed at Kislovodsk main astronomical observatory, USSR; by M. N. Gheyshev, et al. Aug. 2, 1967. [2] p.+5 leaves, 4° [From Priroda, no. 6, 1967.] + Paper, \$3.00 (TT: 67-32698).
 15352 42060. Some results of expedition on board research vessel Akademik S. Vavilov in Red and Mediterranean Seas, USSR [with bibliography]; by V. I. Voytov. Aug. 2, 1967. [2]+9 p. il. 4° [From Okeanologiya, no. 2, v. 7, Mar.-Apr. 1967.] + Paper, \$3.00 (TT: 67-32690).
 15353 42061. Measurement of propagation velocity of elastic oscillations in surface layer of Indian Ocean water, on 36th cruise of experimental ship Vityaz, USSR [with bibliography]; by P. P. Ganson. Aug. 2, 1967. [2]+15 p. il. 4° [From Okeanologiya, v. 7, no. 2, Apr. 1967.] + Paper, \$3.00 (TT: 67-32691).
 15354 42062. Research and training reactor IR-100, USSR [with bibliography]; by Yu. M. Bulkin, et al. Aug. 2, 1967. [2]+10 p. il. 4° [From Atomnaya energiya, Nov. 1966.] + Paper, \$3.00 (TT: 67-32692).
 15355 42065. Operation of Minsk-22 digital computer at Hungarian computer center described. Aug. 3, 1967. [2] p.+2 leaves, 4° [From Meres es automatika, no. 5, 1967.] + Paper, \$3.00 (TT: 67-32695).
 15356 42066. Simulation in biology and medicine, USSR [excerpts with bibliographies]; by V. M. Glushkov, et al. Aug. 3, 1967. [2]+2+36 p. il. 4° [From Modellirovaniye v biologii i meditsine, no. 2, 1966.] + Paper, \$3.00 (TT: 67-32696).
 15357 42067. Certain problems in mathematical theory of critical state of reactors, USSR [with bibliography]; by S. B. Shikhov. Aug. 3, 1967. [2]+18 p. il. 4° [From Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, Jan.-Feb., 1967, v. 7, no. 1.] + Paper, \$3.00 (TT: 67-32697).
 15358 42068. New developments in Eastern European geodesy and cartography, Hungary [articles]. Aug. 3, 1967. [2]+a+17 p. 4° [From Geodeziya es kartografiya, no. 3, 1967.] + Paper, \$3.00 (TT: 67-32698).
 15359 42069. Application of mathematical methods in military affairs, USSR [excerpts, with bibliographies]; by I. I. Anureyev, et al. Aug. 3, 1967. [2]+a+85 p. il. 4° + Paper, \$3.00 (TT: 67-32699).
 15360 42086. Prospects and achievements of Soviet medicine, USSR; by V. V. Parin. Aug. 4, 1967. [2] p.+5 leaves, 4° [From Krasnaya zvezda, June 18, 1967.] + Paper, \$3.00 (TT: 67-32716).

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15361 42087. Some problems of children's health protection in Rumanian Socialist Republic; by Ye. Ye. Matveyeva. Aug. 4, 1967. [2]+6 p. 4° [From *Zdravookhraneniye rossiyskoy federatsii*, no. 6, 1967.] Φ Paper, \$3.00 (TT: 67-32717).
- 15362 42088. Input and consolidation of information in human memory during natural sleep, USSR [excerpts]; by Leonid Andreyevich Bliznichenko. Aug. 4, 1967. [2]+a+15 p. 4° Φ Paper, \$3.00 (TT: 67-32718).
- 15363 42089. Safety engineering in painting and varnishing shops, USSR [with bibliography]; by Yu. A. Dukhanin. Aug. 4, 1967. [2]+a+17 p. il. 4° Φ Paper, \$3.00 (TT: 67-32719).
- 15364 42090. Biochemistry of viruses, USSR [excerpts]. Aug. 4, 1967. [2]+11 p. 4° [From *Biokhimiya virusov*, 1966.] Φ Paper, \$3.00 (TT: 67-32720).
- 15365 42091. Automation of geodetic work, Hungary. Aug. 4, 1967. [2] p.+3 leaves, 4° Aug. 4, 1967. [From *Muszakei élet*, no. 13, June 29, 1967.] Φ Paper, \$3.00 (TT: 67-32721).
- 15366 42092. Theory of decisions and control of troops, USSR; by L. Yemel'yanov. Aug. 4, 1967. [2] p.+5 leaves, 4° [From *Krasnaya Zvezda*, July, 1967.] Φ Paper, \$3.00 (TT: 67-32722).
- 15367 42093. Research in cybernetics and theory control, USSR, [articles, with bibliographies]. Aug. 4, 1967. [2]+a+9 p. 4° [From *Doklady Akademii Nauk SSSR*, v. 174, no. 1, 1967.] Φ Paper, \$3.00 (TT: 67-32723).
- 15368 42094. Nikolayevsk shipbuilding plant reviews its progress, USSR, by T. Uralov. Aug. 4, 1967. [2]+7 p. 4° [From *Sudostroyeniye*, no. 6, June 1967.] Φ Paper, \$3.00 (TT: 67-32724).
- 15369 42103. Meteorology and hydrology, no. 5, 1967, USSR [with bibliographies]. Aug. 4, 1967. [2]+a-c+197 p. il. 4° Φ Paper, \$3.00 (TT: 67-32733).
- 15370 42124. Classification of fixed capital by types in branch break-down, USSR; by V. S. Ostroumov. Aug. 7, 1967. [2]+12 p. 4° Φ Paper, \$3.00 (TT: 67-32754).
- 15371 42153. Danger of underestimating phenomenon of impurities in water, Rumania; by Arb. Gh. Sasarmar. Aug. 9, 1967. [2]+6 p. 4° [From *Scinteia*, June 23 and 25, 1967.] Φ Paper (TT: 67-32783).
- 15372 42154. Composition and laying of submarine cables, USSR; by V. N. Kuleshov. Aug. 9, 1967. [2]+a+8 p. il. 4° [From *Mezhdugorodnyye kabel'nyye linii svyazi*] Φ Paper, \$3.00 (TT: 67-32784).
- 15373 42155. Determining price of plutonium used as nuclear fuel, USSR [with bibliography]; by O. D. Kazachkovskiy, et al. Aug. 9, 1967. [2]+11 p. il. 4° [From *Atomnaya energiya*, June 1967.] Φ Paper, \$3.00 (TT: 67-32785).
- 15374 42156. Promoting development of Soviet science [articles]. Aug. 9, 1967. [2]+a+8 p. 4° Φ Paper, \$3.00 (TT: 67-32786).
- 15375 42161. Hungarian data processing programs [articles]. Aug. 9, 1967. [2]+a+7 p. 4° [From *Informacio elektronika*, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-32791).
- 15376 42162. Vignette of mountain peasant life, USSR; by Mal. L. Zadorozhnyi. Aug. 9, 1967. [2]+12 p. 4° [From *Vitehyzna*, no. 12, Dec. 1966.] Φ Paper, \$3.00 (TT: 67-32792).
- 15377 42163. Information center for electrical equipment, USSR. Aug. 9, 1967. [2]+12 p. il. 4° Φ Paper, \$3.00 (TT: 67-32793).
- 15378 42164. Industrial manufacture of heavy water, East Germany [with bibliography]; by N. M. Zhavoronkov, et al. Aug. 9, 1967. [2]+28 p. il. 4° [From *Kernenergie*, v. 4, no. 12, 1961.] Φ Paper, \$3.00 (TT: 67-32794).
- 15379 42165. Activities of Soviet scientific organizations [articles]. Aug. 9, 1967. [2]+a+12 p. 4° Φ Paper, \$3.00 (TT: 67-32795).
- 15380 42176. International biological program, USSR; by I. A. Rubtsov. Aug. 10, 1967. [2] p.+5 leaves, 4° [From *Entomologicheskoye obozreniye*, v. 46, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-32806).
- 15381 42177. Economic efficiency of scientific research, Rumania; by Traian Salagean. Aug. 10, 1967. [2] p.+5 leaves, 4° [From *Scinteia*, no. 7404, July 17, 1967.] Φ Paper, \$3.00 (TT: 67-32807).
- 15382 42178. Automatic machines with variable structure, USSR; by G. A. Agasandyan. Aug. 10, 1967. [2] p.+4 leaves, 4° [From *Doklady Akademii Nauk SSSR*, 1967, v. 174, no. 3.] Φ Paper, \$3.00 (TT: 67-32808).
- 15383 42179. Digital control computers for automatic addressing of goods, USSR [excerpts, with bibliography]; by M. G. Kogon, et al. Aug. 10, 1967. [2]+a+47 p. 4° Φ Paper, \$3.00 (TT: 67-32809).
- 15384 42190. Conference on higher neural activity and neurophysiology, USSR; by G. A. Autropov, et al. Aug. 11, 1967. [2] p.+4 leaves, 4° [From *Gigiyena i sanitariya*, no. 6, 1967.] Φ Paper, \$3.00 (TT: 67-32820).
- 15385 42193. Design and methods of calculating parameters of long-wave and ultra-long-wave antennas, USSR [with bibliography]. Aug. 11, 1967. [2]+a+24 p. il. 4° [From *Antenny*, no. 1, Svyaz', 1966.] Φ Paper, \$3.00 (TT: 67-32823).
- 15386 42194. Use of communication satellites for transmission of unidirectional (simplex) programs, USSR [with bibliography]; by N. V. Talyzin, et al. Aug. 11, 1967. [2]+8 p. il. 4° [From *Radiotekhnika*, no. 6, June 1967.] Φ Paper, \$3.00 (TT: 67-32824).
- 15387 42209. Underwater cable design, USSR [with bibliography]; by I. Ye. Yefimov, et al. Aug. 16, 1967. [2]+18 p. il. 4° [From *Konstruktivnyye i elektricheskiye kharakteristiki kabeley svyazi*, 1959.] Φ Paper, \$3.00 (TT: 67-32839).

JPRS (series)—Continued

- 15388 42210. Effect of clostridium bacteria toxins on hemolytic and lecithinase activity, USSR [with bibliography]; by S. P. Zhak. Aug. 14, 1967. [2] + 8 p. 4° [From Mikrobiologicheskii zhurnal, v. 29, no. 3, May-June 1967.] Φ Paper, \$3.00 (TT: 67-32840).
- 15389 42211. Influence of neutron bombardment on certain properties of tungsten, USSR [with bibliography]; by Sh. Sh. Ibragimov. Aug. 14, 1967. [2] p. + 5 leaves, il. 4° [From Fizika metallov i metallovedeniya, v. 23, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-32841).
- 15390 42212. Approximate diffusion theory of thermionic converters, USSR [with bibliography]; by A. F. Nastoyashchii. Aug. 14, 1967. [2] p. + 3 leaves, 4° [From Atomnaya energiya, v. 23, no. 1, July 1967.] Φ Paper, \$3.00 (TT: 67-32842).
- 15391 42219. Reports on pharmaceutical development in USSR, Bulgaria, and Rumania [articles]. Aug. 14, 1967. [2] + a + 17 p. 4° [From Farmatsiya, v. 16, no. 3, May-June 1967.] Φ Paper, \$3.00 (TT: 67-32849).
- 15392 42220. Cable communication lines, USSR [excerpts]; by I. I. Grodnev, et al. Aug. 14, 1967. [2] + a + 28 p. il. 4° Φ Paper, \$3.00 (TT: 67-32850).
- 15393 42221. Selection, distribution and structure of scientific cadres outlined, USSR [selected excerpts]; by G. M. Dobrov. Aug. 14, 1967. [2] + a + 60 p. il. 4° [From Nauka o nauke, 1966.] Φ Paper, \$3.00 (TT: 67-32851).
- 15394 42227. Developments in computer technology, USSR; by S. Lebedev. Aug. 15, 1967. [2] + 8 p. 4° [From Nedeiya, no. 27, June 25-July 1, 1967.] Φ Paper, \$3.00 (TT: 67-32857).
- 15395 42228. Welding graphite materials, USSR [with bibliography]; by N. L. Kareta, et al. Aug. 15, 1967. [2] + 6 p. il. 4° [From Avtomaticheskaya svarka, no. 1, Jan. 1967.] Φ Paper, \$3.00 (TT: 67-32858).
- 15396 42233. Electronarcosis and electrosleep in man and animals, USSR [book excerpts]; by K. A. Ivanov-Muromskiy. Aug. 15, 1967. [2] + a + 49 p. il. 4° Φ Paper, \$3.00 (TT: 67-32863).
- 15397 42237. USSR charges blackmail in Middle East oil crisis; by B. Rachkov. Aug. 15, 1967. [2] p. + 5 leaves, 4° [From Izvestiya, July 11, 1967.] Φ Paper, \$3.00 (TT: 67-32867).
- 15398 42249. Strict prophylactic measures against African swine plague, Rumania; by Traian Negru. Aug. 16, 1967. [2] p. + 4 leaves, 4° [From Scinteia, no. 7403, July 16, 1967.] Φ Paper, \$3.00 (TT: 67-32878).
- 15399 42250. Organization of comprehensive research in Academy of Sciences, Ukrainian SSR, USSR; by B. Paton. Aug. 16, 1967. [2] p. + 5 leaves, 4° [From Pravda, July 20, 1967.] Φ Paper, \$3.00 (TT: 67-32879).
- 15400 42265. Current state of infectious diseases in Yugoslavia and some organizational problems in preventing and counteracting them [with bibliography]; by Adelaida Turic, et al. Aug. 18, 1967. [2] + 12 p. il. 4° [From Medicinski arhiv, no. 4-6, July-Dec. 1966.] Φ Paper, \$3.00 (TT: 67-32894).
- 15401 42273. Technical cybernetics, no. 3, 1967, USSR [with bibliography]. Aug. 21, 1967. [2] + a + 316 p. il. 4° Φ Paper, \$3.00 (TT: 67-32902).
- 15402 42276. Selective inhibition of nonspecific cholinesterase by some 0,0-diethyl-S-alkylthiophosphates, USSR [with bibliography]; by N. N. Golovnikov, et al. Aug. 21, 1967. [2] p. + 5 leaves, 4° [From Doklady Akademii Nauk SSSR, v. 174, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-32905).
- 15403 42287. Storage and transport of liquefied hydrogen and helium; coverings for liquefied-gas storage containers, USSR; by P. M. Gofman-Zakharov. Aug. 22, 1967. [2] + a + 14 p. il. 4° [From Nizkotemperaturnoye khraneniye szhizhennykh tekhuicheskikh gazov, 1966.] Φ Paper, \$3.00 (TT: 67-32916).
- 15404 42304. Efficiency of antibiotics research and production, Rumania; by Veronica Ardeleanu. Aug. 22, 1967. [2] p. + 3 leaves, 4° [From Munca, no. 6130, July 27, 1967.] Φ Paper, \$3.00 (TT: 67-32933).
- 15405 42305. Biochemistry of protein nutrition (anabolic effect of protein nutrients and factors which affect it), USSR; by Yu. N. Kremer. Aug. 22, 1967. [2] p. + 4 leaves, 4° [From Uspekhi sovremennoy biologii, v. 63, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-32934).
- 15406 42306. Radiation situation in area of Beoloyarskaya atomic electric power station imeni I. V. Kurchatov, USSR; by A. M. Petros'yants. Aug. 22, 1967. [2] + 6 p. 4° [From Atomnaya energiya, v. 23, no. 1, July 1967.] Φ Paper, \$3.00 (TT: 67-32935).
- 15407 42307. Improvements sought in graduate schools and in medical training, USSR [articles]. Aug. 22, 1967. [2] + a + 8 p. 4° Φ Paper, \$3.00 (TT: 67-32936).
- 15408 42322. Critical parameters of fissionable materials systems and nuclear safety (handbook), USSR [excerpts]; by B. G. Dubovskiy, et al. Aug. 23, 1967. [2] + a + 173 p. Φ Paper, \$3.00 (TT: 67-32951).
- 15409 42337. State of computer technology in Czechoslovakia. Aug. 24, 1967. [2] p. + 4 leaves, 4° [From Ekonomicka revue, no. 6, June 1967.] Φ Paper, \$3.00 (TT: 67-32966).
- 15410 42338. Cuban correspondents report on North Vietnam [articles]. Aug. 24, 1967. [2] + a + 28 p. 4° [From Cuba, June 1967.] Φ Paper, \$3.00 (TT: 67-32967).
- 15411 42351. Soviet-Polish symposium on development of sciences; by M. K. Petrov, et al. Aug. 25, 1967. [2] + 12 p. 4° [From Voprosy filosofii, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-32980).
- 15412 42361. Bacteriological weapons and how to defend against them, USSR [with bibliography]; by A. M. Arkhangel'skiy, et al. Aug. 28, 1967. [2] + a + 164 p. il. 4° Φ Paper, \$3.00 (TT: 67-32990).

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15413 42382. Need for scientific information in medicine, USSR; by V. Kuleshov and N. Bukovskiy. Sept. 1, 1967. [2]+6 p. 4° [From Meditsinskaya gazeta, June 20, 1967.] Φ Paper, \$3.00 (TT: 67-33011).
- 15414 42388. Determination of elasticity and shape of macromolecules, USSR [with bibliography]; by V. N. Tsvetkov. Sept. 1, 1967. [2]+26 p. il. 4° [From Zhurnal Vsesoyuzhogo Khimicheskogo Obshchestva, v. 6, 1961.] Φ Paper, \$3.00 (TT: 67-33017).
- 15415 42390. Status of technical mechanical research in Hungary surveyed; by Adam Bosznay, et al. Sept. 1, 1967. [2]+23 p. 4° [From Magyar Tudomanyos Akademia Muszaki Tudomanyok Cszalyanak Kozlemenyei, no. 1-2, 1967.] Φ Paper, \$3.00 (TT: 67-33019).
- 15416 42391. Use of radioisotopes as power sources, Western Europe. Sept. 1, 1967. [2]+9 p. il. 4° [From Nucleus, la revue scientifique, v. 8, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-33020).
- 15417 42397. Meteorology in Socialist countries, Hungary [articles]. Sept. 1, 1967. [2]+a+12 p. 4° [From Idojaras, no. 3, May-June 1967.] Φ Paper, \$3.00 (TT: 67-33026).
- 15418 42402. Acoustical measurements in shipbuilding, USSR [excerpts]; by I. I. Klyukin and A. Ye. Kolesnikov. Sept. 1, 1967. [2]+a-b+97 p. il. 4° Φ Paper, \$3.00 (TT: 67-33031).
- 15419 42404. Increasing role of science in our era, USSR; by B. M. Kedrov. Sept. 1, 1967. [2]+16 p. 4° [From Voprosy filosofii, no. 5, 1967.] Φ Paper, \$3.00 (TT: 67-33033).
- 15420 42417. Scuba diving in USSR [articles]. Sept. 1, 1967. [2]+a+28 p. il. 4° [From Biblioteka sportmena podvodnika, no. 15, 1966.] Φ Paper, \$3.00 (TT: 67-33046).
- 15421 42422. Achievements of Belorussian Scientific Research Institute of Animal Husbandry in 50 years of Soviet power, USSR; by V. T. Gorin. Sept. 2, 1967. [2]+6 p. 4° [From Vestsi Akademii Navuk Belaruskay SRI, seryya sel'skagospadarchnykh nauk, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-33051).
- 15422 42426. Proposals for improving labor organization in Main Pharmacy Administration of Moldavian SSR, USSR; by V. I. Prokopishin and M. B. Klyerman. Sept. 2, 1967. [2]+6 p. 4° [From Zdravookhraneniye, no. 3, May-June 1967.] Φ Paper, \$3.00 (TT: 67-33055).
- 15423 42427. Subject index of regulations published in Sbirka Zakonu CSSR during 1966, Czechoslovakia. Sept. 2, 1967. [2]+71 p. 4° [From Sbirka zakonu Ceskoslovenske socialistcke republiky, v. 1966, pt. 1-49.] Φ Paper, \$3.00 (TT: 67-33056).
- 15424 42428. Industrialization of Bulgaria over 2 decades reviewed; by Petr Shapkarev. Sept. 2, 1967. [2]+15 p. il. 4° [From Belgariya, no. 5, May 1964.] Φ Paper, \$3.00 (TT: 67-33057).
- 15425 42429. Some problems of public health organization in Polish National Republic; by V. Ch. Brzheskiy. Sept. 5, 1967. 2 p.+3 leaves, 4° [From Zdravookhraneniye Belorussii, no. 7, July 1967.] Φ Paper, \$3.00 (TT: 67-33058).
- 15426 42430. Journey to Kashgariya and Kun-Lun', Communist China; by Mikhail Vasil'yevich Pevtsov. Sept. 5, 1967. [2]+a+442 p. il. 4° Φ Paper, \$3.00 (TT: 67-33059).
- 15427 42440. Problem of meeting movements, USSR [with bibliography]; by N. N. Krasovkiy and V. Ye. Tret'yakov. Sept. 5, 1967. [2]+6 p. 4° [From Doklady Akademii Nauk SSSR, v. 173, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-33069).
- 15428 42454. Soviet experimental power plant with magnetohydrodynamic generator, USSR; by Vladimir Orlov. Sept. 5, 1967. [2]+11 p. il. 4° [From Nauka i zhizn', no. 6, June 1967.] Φ Paper, \$3.00 (TT: 67-33083).
- 15429 42458. Travel to Tallinn, Riga, and Vil'nyus, Finland. Sept. 5, 1967. [2]+8 p. il. 4° [Kaleva Travel Bureau, Helsinki, Finland, 1967.] Φ Paper, \$3.00 (TT: 67-33087).
- 15430 42460. Arab performance put to test, Lebanon; by Quays al-Jardi. Sept. 5, 1967. [2]+23 p. 4° [From al-Nahar, July 16, 23, and 30.] Φ Paper, \$3.00 (TT: 67-33089).

JUSTICE DEPARTMENT

Washington, D.C. 20530

- 15431 Report of Attorney General, pursuant to sec. 2 of joint resolution of Sept. 6, 1963, consenting to interstate compact to conserve oil and gas; July 1967. [1967.] [9]+86+[1] p. 4° (Report 16-8.) \dagger \bullet Item 719-B
L.C. card 67-62370 J 1.27: 967

LABOR DEPARTMENT

Washington, D.C. 20210

- 15432 Labor mobility, selected references. [Apr. 1967.] 15 p. 4° (Library.) \dagger
L 1.34: L 11/6

GOVERNMENT PUBLICATIONS

- 15433 Manpower development and training act, review of training activities [with bibliography]. Aug. 1967. v+22 p. il. (Manpower Administration [Office of Manpower Policy, Evaluation, and Research].) † ● Item 745
L 1.2: M 31/38
- 15434 MDTA and your health manpower needs. Aug. 1967. 20 p. il. 12° (Manpower Administration.) †
L 1.2: M 31/42
- 15435 Seminar on manpower policy and program: University perspectives on manpower; by Paul A. Miller. [July 1967.] [1]+28 p. (Manpower Administration.) [Text on p. 2 and 3 of cover.] † ● Item 745
L.C. card 67-62465 L 1.2: M 31/39

LABOR STATISTICS BUREAU, Labor Dept. Washington, D.C. 20210

- 15436 BLS information system, search statement manual [with bibliography; prepared by Rudolph C. Mendelssohn, with assistance of Mac Shaibe and Rita L. Erickson]. Sept. 1967. cover title, [1]+43 p. 4° † L 2.46/3: In 3
BLS report.
- 15437 312. How government measures unemployment [with selected bibliography; by Carol B. Kalish; revised by Florence Farber]. June 1967. cover title, [1]+18 p. 4° † ● Item 768-G
L.C. card 67-62119 L 2.71: 312
- Bulletins. ● Item 768 L 2.3: (nos.)
- 15438 1530-67. Area wage survey: Paterson-Clifton-Passaic, N.J., metropolitan area, May 1967. June 1967. iii+22+[1] p. oblong 8° * Paper, 25c.
L.C. card L 66-151
- 15439 1530-69. Same: Savannah, Ga., metropolitan area, May 1967. June 1967. iii+18+[1] p. oblong 8° * Paper, 20c.
L.C. card L 66-146
- 15440 1530-77. Same: Lawrence-Haverhill, Mass.-N.H., metropolitan area, June 1967. July 1967. iii+18+[1] p. oblong 8° * Paper, 20c.
L.C. card L 66-155
- 15441 1530-78. Same: Midland and Odessa, Tex., metropolitan area, June 1967. July 1967. iii+16 p. oblong 8° * Paper, 20c.
L.C. card L 66-157
- 15442 1530-79. Same: Portland, Oreg.-Wash., metropolitan area, May 1967. Aug. 1967. iii+22+[1] p. oblong 8° * Paper, 25c.
L.C. card L 66-161
- 15443 1530-81. Same: Worcester, Mass., metropolitan area, June 1967. July 1967. iii+22+[1] p. oblong 8° * Paper, 25c.
L.C. card 66-62947
- 15444 1548. Union wages and hours: Motortruck drivers and helpers, July 1, 1966 and trend 1936-66. May 1967. iv+39 p. 4° * Paper, 30c.
L.C. card L 40-146
- 15445 1549. Union wages and hours: Printing industry, July 1, 1966 and trend 1907-66. May 1967. iv+56 p. 4° * Paper, 40c.
L.C. card L 38-61
- 15446 1551. Industry wage survey: Wool textiles, pt. 1. Wool yarn and broadwoven fabric mills, pt. 2. Dyeing and finishing plants, pt. 3. Scouring and combing plants. Nov. 1966. June 1967. vi+71+[2] p. 4° [Includes list of wage studies.] * Paper, 45c.
L.C. card L 58-31
- 15447 1552. Employee earnings and hours in nonmetropolitan areas of South and North Central regions, June 1965; [prepared by William L. Dansby]. June 1967. vi+94 p. 4° * Paper, 50c.
L.C. card 67-62322
- 15448 1553. Industry wage survey: Hospitals, July 1966; [prepared by George L. Stelluto]. June 1967. vi+107 p. 4° [Includes industry wage studies.] * Paper, 70c.
L.C. card L 61-50
- 15449 1554. Consumer price index, technical notes, 1959-63; [prepared by Office of Prices and Living Conditions]. [1967.] v+84 p. * Paper, 50c.
L.C. card 67-62323
- 15450 1557. Review of occupational employment statistics, employment of scientific, professional, and technical personnel in State governments, Jan. 1964; [prepared by Arthur Jaffe with assistance of Jack Golamb]. 1967. v+29 p. il. oblong 8° * Paper, 25c.
L.C. card 67-62325
- 15451 Consumer price index, short description, 1967. [1967.] iii+11 p. 4° †
● Item 796 L 2.2: P 93/19
- 15452 Manpower and employment statistics, chap. 1, Labor force, employment, and unemployment [with list of Technical references]. Revised Jan. 1967.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

[1967.] 9 p. 4° [Reprint from Handbook of methods for surveys and studies, BLS bulletin 1458.] † L 2.3/a: M 317

- 15453 Negro in the West, some facts relating to social and economic conditions: 3, Negro family; [prepared by Charles A. Roumasset and Edward N. Smith]. [1967.] cover title, [6]+30 p. il. 4° † Bureau of Labor Statistics, 450 Golden Gate Avenue, Box 36017, San Francisco, Calif. 94102. L.C. card L 66-119 L 2.2: N 31/3/pt.3
- 15454 Proceedings of 24th Interstate Conference on Labor Statistics [Chicago, Ill.] June 14-17, 1966. [1967.] cover title, iv+220 p. il. 4° [Illinois Department of Labor served as cosponsor with Bureau of Labor Statistics.] † ● Item 769-C L.C. card 56-63356 L 2.80: 966
- 15455 Some aspects of economic problems of New York, for presentation at New York City Council on Economic Education, Economics of New York City In-Service Course, New York, N.Y., Nov. 16, 1966. [1967.] [1]+13 p. il. 4° † L 2.2: N 42y/3

LAND MANAGEMENT BUREAU, Interior Dept.
Washington, D.C. 20240

Information bulletins. ● Item 632 I 53.9: (nos.)

- 15456 4. How to buy public lands. [1967.] [4] p. 4° * Paper, 5c.
- 15457 5. Taylor grazing act, as amended and supplemented. [1967.] [8] p. 4° †

LIBRARY OF CONGRESS
Washington, D.C. 20540

- 15458 Directory of information resources in United States: Federal Government, with supplement of Government-sponsored information resources. June 1967. vii+411 p. 4° (National Referral Center for Science and Technology.) * Paper, \$2.75. ● Item 787-A LC 1.31: D 62/4
L.C. card 67-60084
- 15459 Library of Congress catalog, music and phonorecords, cumulative list of works represented by Library of Congress printed cards, Jan.-June 1967. 1967. v+235 p. 4° † Paper, \$4.50 (semi-annual issue), Card Division. L.C. card 53-60012 LC 30.8/6: 967

MARINE CORPS (Navy), Defense Dept.
Washington, D.C. 20350

Fleet Marine Force manual FMFM (series).

- 15460 3-3. [Helicopterborne operations, June 12, 1963], Change 2; May 26, 1967. [1967.] [69] p. il. 4° [Issued with perforations.] * Paper, 35c. ● Item 384 D 214.9/4: 3-3/ch.2
- 15461 Outlook for your future as marine, it's a good career, stay with it. [1967.] 12 p. narrow 16° (NAVMC 8734 (Rev. 4-67).) [One page left blank for remarks.] † ● Item 383 D 214.2: F 98/2

MINES BUREAU, Interior Dept.
Washington, D.C. 20240

- 15462 Advance data on coke and coal chemicals in 1966; prepared by Eugene T. Sheridan. [1967.] 21 p. 4° (Mineral industry surveys; Coke and coal chemicals, annual.) † Mines Bureau, Pittsburgh, Pa. 15213 I 28.30/4: 966
- 15463 Apparent consumption of industrial explosives and blasting agents in United States, 1966; prepared by Bertha W. Brown, Nell B. Bradley, and Nina L. Jones. Aug. 1967. 11 p. 4° (Mineral industry surveys; Explosives, annual.) † Mines Bureau, Pittsburgh, Pa. 15213 I 28.112: 966

GOVERNMENT PUBLICATIONS

Information circular.

- 15464 8332. Basic properties of matrix algebra [with list of references]; by Katherine Harding. [1967.] [4]+39 p. 4° * Paper, 30c. ● Item 637-A
I 28.27: 8332
- 15465 Injury experience, employment, and worktime in mineral industries, 1965-66; prepared by staff of Branch of Accident Analysis. Sept. 1967. 36 p. 4° (Mineral industry surveys; Safety in Mineral industries, annual.)
† Mines Bureau, Pittsburgh, Pa. 15213 I 28.113: 965-66
- 15466 Mineral industry of Argentina; by Charles L. Kimbell. [1967.] [2]+17 p. [Preprint from Minerals yearbook, 1965.] * Paper, 10c.
I 28.37/a 2: Ar 37/965
- 15467 Mineral industry of Belgium; by Stephen C. Brown. [1967.] [2]+21 p. [Preprint from Minerals yearbook, 1965.] * Paper, 15c.
I 28.37/a 2: B 411/965
- 15468 Mineral industry of Greece; by Stephen C. Brown and L. Nahai. [1967.] [2]+10 p. [Preprint from Minerals yearbook, 1965.] * Paper, 10c.
I 28.37/a 2: G 81/965
- 15469 Mineral industry of Sweden; by F. L. Klinger. [1967.] [2]+27 p. [Preprint from Minerals yearbook, 1965.] * Paper, 15c. I 28.37/a 2: Sw 32/965
- 15470 Mineral industry of U.S.S.R.; by V. V. Strishkov. [1967.] [2]+35 p. [Preprint from Minerals yearbook, 1965.] * Paper, 15c.
I 28.37/a 2: Un 33/965
- 15471 Minerals in world economy; by Stephen C. Brown and L. Nahai. [1967.] [2]+40 p. [Preprint from Minerals yearbook, 1965.] * Paper, 20c.
I 28.37/a 2: W 893/965
- 15472 Petroleum refineries in United States and Puerto Rico, Jan. 1, 1967; [prepared by Paul M. Buttermore]. Aug. 28, 1967. 13 p. 4° (Mineral industry surveys; Petroleum refineries, annual.) † Mines Bureau, Pittsburgh, Pa. 15213
I 28.17/2: 967
- 15473 Regional mineral industry review of Europe; by L. Nahai and Roman V. Sondermayer. [1967.] [2]+22 p. [Preprint from Minerals yearbook, 1965.] * Paper, 15c. I 28.37/a 2: Eu 74/965
- Report of investigations. ● Item 637-A I 28.23: (nos.)
- 15474 7008. Reaction rate of solid yttrium metal with molten lithium fluoride [with list of references]; by Bernard Porter, R. E. Meaker, and T. A. Henrie. [Aug. 1967.] [3]+13 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15475 7009. Minimum ignition energy and quenching distance in gaseous mixtures, techniques and apparatus; by E. L. Litchfield [and others]. [Aug. 1967.] [3]+11 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15476 7010. Pulverizing lignite in ball mill; by Leroy Dockter, J. W. Belter, and R. C. Ellman. [Aug. 1967.] [3]+13 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15477 7011. Computer techniques for predating 3-phase flow in 5-spot waterfloods [with list of references]; by R. V. Higgins and A. J. Leighton. [Aug. 1967.] [3]+45 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15478 7012. Dewatering anthracite slurry [with list of references]; by G. A. Brady, Harold H. Griffiths, and J. W. Eckerd. [Aug. 1967.] [3]+13 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15479 7013. Gas-reservoir properties from pressure-buildup data [with bibliography]; by George L. Gates and W. Hodge Caraway. [Sept. 1967.] [3]+19 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15480 7014. Electron-beam purification of vanadium [with list of references]; by W. E. Anable. [Sept. 1967.] [3]+24 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15481 7015. Three-component borehole deformation data for determining stress in rock [with list of references]; by Robert H. Merrill. [Aug. 1967.] [2]+11+38 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15482 7018. Electrorefining yttrium [with list of references]; by C. C. Merrill and M. M. Wong. [Sept. 1967.] [3]+10 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 15483 7019. Power required to circulate gas-solids suspensions; by C. N. Rosenecker, N. H. Coates, and H. G. Lucas. [Sept. 1967.] [3]+10 p. il. 4° [Based on work done in cooperation with Atomic Energy Commission.] † Mines Bureau, Pittsburgh, Pa. 15213

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15484 Shipments of liquefied petroleum gases and ethane in 1966; prepared by James M. Foley. Aug. 29, 1967. 12 p. 4° (Mineral industry surveys; Liquefied petroleum gas shipments, annual.) † Mines Bureau, Pittsburgh, Pa. 15213 128.98/5:966

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Washington, D.C. 20546

AEC-NASA tech briefs. [Descriptions of innovations resulting from research and development program of AEC or from AEC-NASA interagency efforts.] ☐ Paper, each 15c. NAS 1.29/2:(nos.)

- 15485 67-10222. Subroutines GEORGE and DRASTC simplify operation of automatic digital plotter. July 1967. 1 p. 4° (NUC-10044.)
- 15486 67-10223. Calculation of resonance neutron absorption in 2-region problems (GAKOL code). July 1967. 1 p. 4° (NUC-10045.)
- 15487 67-10224. Computer program calculates steady-state temperature distribution within plane or axisymmetric solids. July 1967. 1 p. 4° (NUC-10049.)
- 15488 67-10235. Computer program simplifies design of rotating components of turbomachinery. July 1967. [2] p. 4° ([NUC-10046.]
- 15489 67-10237. Post-stressed concrete foundation may reduce machinery vibration. July 1967. [2] p. il. 4° ([ARG-130.]
- 15490 67-10238. Traveling wire electrode increases productivity of electrical discharge machining (EDM) equipment. Aug. 1967. [2] p. il. 4° ([ARG-136.]
- 15491 67-10261. Analytical technique permits comparison of reliability of alternate mechanical designs. July 1967. [2] p. 4° ([NUC-10065.]
- 15492 67-10262. Solid state circuit averages multiple signals and rejects those varying significantly from the average. Aug. 1967. [2] p. il. 4° ([NUC-10066.]
- 15493 67-10263. Automated tester permits precise calibration of pressure transducers from 0 to 1050 psi. Aug. 1967. [2] p. il. 4° ([NUC-10067.]
- 15494 67-10295. Improved ultrasonic TV images achieved by use of Lamb-wave orientation technique. Aug. 1967. [2] p. il. 4° ([ARG-203.]
- 15495 Biomedical application teams. [1967.] cover title, 18 p. il. narrow 8° †
● Item S30-C NAS 1.2: B 52
- 15496 Index to management issuances: pt. 1, NPDs and NMIs [NASA policy directives and management instructions in print as of June 30, 1967]; pt. 2, NASA procurement regulation [in print as of Nov. 30, 1966]. June 1967 edition. [1967.] cover title, [1]+78+32 p. 4° (NHB 1410.5F.) [Supersedes NHB 1410.5E, Apr. 1967.] ‡ ● Item S30-F
L.C. card 66-60230 NAS 1.18/2: 967-2

NASA contractor report CR (series). NAS 1.26:(nos.)

- 15497 822. Analysis and design of space vehicle flight control systems: v. 3, Linear systems [with list of references]; by Arthur L. Greensite. July 1967. cover title, x+212 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, a division of General Dynamics Corporation, San Diego, Calif.] ☐ Paper, \$3.00.
- 15498 823. Same: v. 4, Nonlinear systems [with list of references]; by Arthur L. Greensite. July 1967. cover title, x+168 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, a division of General Dynamics Corporation, San Diego, Calif. issued by originator as GDC-DDE65-056.] ☐ Paper, \$3.00.
- 15499 828. Same: v. 9, Optimization methods [with list of references]; by Arthur L. Greensite. July 1967. cover title, vi+184 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, a division of General Dynamics Corporation, San Diego, Calif. issued by originator as GDC-DDE66-026.] ☐ Paper, \$3.00.
- 15500 831. Same: v. 12, Attitude control in space [with list of references]; by Arthur L. Greensite. Aug. 1967. cover title, ix+158 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, division of General Dynamics Corporation, San Diego, Calif. issued by originator as GDC-DDE67-001.] ☐ Paper, \$3.00.
- 15501 832. Same: v. 13, Adaptive control [with list of references]; by Arthur L. Greensite. Aug. 1967. cover title, ix+81 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, division of General Dynamics Corporation, San Diego, Calif. issued by originator as GDC-DDE67-002.] ☐ Paper, \$3.00.
- 15502 833. Same: v. 14, Load relief [with lists of references]; by Robert D. Harris. Aug. 1967. cover title, xi+74 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, a division of General Dynamics Corporation, San Diego, Calif. issued by originator as report GDC-DDE67-003.] ☐ Paper, \$3.00.

☐For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 51

GOVERNMENT PUBLICATIONS

NASA contractor report CR (series)—Continued

- 15503 834. Same: v. 15, Elastic body equations [with list of references]; by Arthur L. Greensite. Aug. 1967. cover title, vii+103 p. il. 4° [Prepared under contract NAS 8-11494 by General Dynamics Convair, division of General Dynamics Corporation, San Diego, Calif. Issued by originator as GDC-DDE65-025.] Φ Paper, \$3.00.
- 15504 842. High-performance "once-through boiling of potassium in single tubes at saturation temperatures of 1500° to 1750° F [with bibliography]; by J. R. Peterson. cover title, xv+179 p. il. 4° [Prepared under contract NAS 3-2538 by General Electric Company, Missile and Space Division, Cincinnati, Ohio.] Φ Paper, \$3.00.
- 15505 846. Launch vehicle wind and turbulence response by nonstationary statistical methods [with list of references]; by James E. Bailey, John L. Palmer, and Kuric E. Wheeler. Aug. 1967. cover title, vii+124 p. il. 4° [Prepared under contract NAS 8-20344 by Hayes International Corporation, Huntsville, Ala. Issued by originator as report 1340.] Φ Paper, \$3.00.
- 15506 851. Thermal and hydraulic performance of potassium during condensation inside single tubes [with list of references]; by S. G. Sawochka. Aug. 1967. cover title, xvi+149 p. il. 4° [Prepared under contract NAS 3-2528 by General Electric, Missile and Space Division, Cincinnati, Ohio.] Φ Paper, \$3.00.
- 15507 859. Study of astronaut capabilities to perform extravehicular maintenance and assembly functions in weightlessness conditions [with bibliographies]; by E. C. Wortz and others. Sept. 1967. cover title, xvi+316+[102] p. il. 4° [Prepared under contract NAS 1-5875 by Aircsearch Manufacturing Company, division of Garrett Corporation, Los Angeles, Calif.] Φ Paper, \$3.00.
L.C. card 67-62456
- 15508 860. Summary of development of optical waveguides and components [with list of references]; by E. Ronald Schineller. Aug. 1967. cover title, iv+57 p. il. 4° [Prepared under contract NAS 12-2 by Wheeler Laboratories, Great Neck, N.Y. Issued by originator as report 1471.] Φ Paper, \$3.00.
- 15509 861. Study of ceramic heat shields for lifting reentry vehicles [with list of references]; by J. N. Krusos. Aug. 1967. cover title, vii+68+[34] p. il. 4° [Prepared under contract NAS 1-5370 by Bell Aerosystems Company, Buffalo, N.Y.] Φ Paper, \$3.00.
- 15510 862. Theoretical study of meteoric trajectories and processes, including examination of incidence and characteristics of photographic meteora by reduction of about 600 data points [with list of references]; by Annette Posen and Richard E. McCrosky. Aug. 1967. cover title, vii+45 p. il. 4° [Prepared under grant NSG-460 by Harvard University, Meteor Department, Harvard College Observatory, Cambridge, Mass.] Φ Paper, \$3.00.
- 15511 863. Propagation of millimeter and submillimeter waves [with list of references]; by V. E. Derr. Aug. 1967. cover title, xi+114 p. il. 4° [Prepared under contract NAS 12-10 by Martin Marietta Corporation, Orlando, Fla. Issued by originator as OR 8549.] Φ Paper, \$3.00.
- 15512 868. Plasma boundary interactions [with list of references]; by S. Alsenberg [and others]. Aug. 1967. cover title, viii+85 p. il. 4° [Prepared under contract NASw-1014 by Space Sciences, Inc., Waltham, Mass.] Φ Paper, \$3.00.
- 15513 NASA management issuances, table of contents. June 1967 edition. [1967.] cover title, ii+58 p. 4° (NHB 1410.4F.) [Margin index and how to use on p. 4 of cover.] \dagger \bullet Item 830-F NAS 1.18: M 31
- NASA SP (series). NAS 1.21: (nos.)
- 15514 120. Fuel cells, review of Government-sponsored research, 1950-64 [articles, with lists of references; compiled by L. G. Austin]. [1967.] cover title, +439 p. il. 4° ([Scientific and Technical Information Division.]) [Prepared under contract NASw-1039 in cooperation with John I. Thompson & Co.] \bullet Paper, \$2.75. \bullet Item 830-1
L.C. card 66-60090
- 15515 134. Closed life-support system, Ames Research Center, Moffett Field, Calif., Apr. 14-15, 1966 [articles, with bibliographies]; prepared by Ames Research Center. 1967. v+227 p. il. 4° (Scientific and Technical Information Division, Office of Technology Utilization.) Φ Paper, \$3.00.
L.C. card 67-62411
- 15516 3030. Handbook of physical properties of planet Mars [with list of references]; by C. M. Michaux. 1967. v+167 p. il. (Scientific and Technical Information Division, Office of Technology Utilization.) [Prepared under contract by Douglas Aircraft Company, Inc., Santa Monica, Calif.] \bullet Paper, 70c. \bullet Item 830-1
L.C. card 66-61839
- 15517 5002. Soldering electrical connections, handbook. 4th edition. 1967. v+66 p. il. ([Technology Utilization.]) Technology Utilization Division, Office of Technology Utilization.) \bullet Paper, 30c. \bullet Item 830-1
L.C. card 64-61070
- 15518 5019. NASA contributions to advanced valve technology, survey [with bibliographies]; by Louis C. Burmeister, John B. Loser and Eldon C. Sneeegas. Revised and enlarged edition. 1967. vii+183 p. il. 4° ([Technology Utilization.]) Technology Utilization Division, Office of Technology Utilization.) [Prepared under contract for NASA by Midwest Research Institute, Kansas City, Mo.] \bullet Paper, \$1.00. \bullet Item 830-1

***For Sale by Superintendent of Documents**

\dagger Distribution Made by Issuing Office

\dagger Official Use. Not Available

- 15519 7011 (39). Aerospace medicine and biology, continuing bibliography with indexes, selection of annotated references to unclassified reports and journal articles that were introduced into NASA Information System during June 1967; [prepared by Scientific and Technical Information Facility operated by Documentation Incorporated], July 1967, vi+86+1-77 p. 4° (Scientific and Technical Information Division.) [Compiled through co-operative efforts of Aerospace Medicine and Biology Bibliography Project of Library of Congress (LC), American Institute of Aeronautics and Astronautics (AIAA), and NASA.] Φ Paper, \$3.00.
L.C. card 65-62677
- 15520 9000. NASA specifications and standards, May 1967, vii+380 p. 4° (Scientific and Technical Information Division.) Φ Paper, \$3.00.
L.C. card 67-62472
- 15521 NASA standard procedures for microbiological examination of space hardware [with list of references], Aug. 1967 edition [1967.] cover title, iii-vii +40 p. il. 4° (NHB 5340.1.) * Paper, 30c. • Item S30-F NAS 1.18: M 58
- 15522 NASA standards for clean rooms and work stations for microbially controlled environment, Aug. 1967 edition, [1967.] cover title, [1]+iv+35 p. il. 4° (NHB 5340.2.) * Paper, 30c. • Item S30-F NAS 1.18: C 58
- NASA tech briefs. [Issued by Technology Utilization Division to summarize specific technical innovations derived from the space program. Issued with perforations.] Φ Paper, each 15c. NAS 1.29: (nos.)
- 15523 67-10169. Study of dynamic response of elastic space stations, June 1967, [2] p. 4° ([NPO-10124.])
- 15524 67-10172. Space trajectories program for IBM 7090, June 1967, [2] p. 4° ([NPO-10125.])
- 15525 67-10173. Linear circuit analysis program for IBM 1620 Monitor II, 1311/1443 data processing system (CIRCS), June 1967, 1 p. 4° (NPO-10131.)
- 15526 67-10193. Computer program simulates physical systems by solving simultaneous differential equations describing systems, June 1967, [2] p. 4° ([NPO-10019.])
- 15527 67-10217. Modal combination computer program for dynamic analysis of structures, June 1967, [2] p. 4° ([NPO-10129.])
- 15528 67-10228. Substituting gold for silver improves electrical connections, July 1967, 1 p. 4° (M-FS-2390.)
- 15529 67-10231. Improved atmospheric particle analyzer, July 1967, [2] p. il. 4° ([ERC-33.])
- 15530 67-10233. Land landing couch dynamics computer program, July 1967, [2] p. 4° ([MSC-1210.])
- 15531 67-10240. Vis-A-Plan (Visualize a plan) management technique provides performance-time scale, July 1967, [2] p. 4° (KSC-10073.)
- 15532 67-10243. Analytical technique characterizes all trace contaminants in water July 1967, [1] p. 4° (MSC-11032.)
- 15533 67-10244. Cable clamp bolt fixture facilitates assembly in close quarters, July 1967, [2] p. il. 4° ([KSC-67-80.])
- 15534 67-10251. Efficient, temperature compensated subcarrier oscillator, Aug. 1967, [2] p. il. 4° ([JPL-SC-091.])
- 15535 67-10256. Line adapter provides quick disconnect under moderate side loading, July 1967, 1 p. il. 4° (M-FS-2159.)
- 15536 67-10258. Multichannel pulse height analyzer is inexpensive, features low power requirements, Aug. 1967, [2] p. il. 4° ([HON-10020.])
- 15537 67-10267. Tester automatically checks paper tape punch and reader after maintenance, Aug. 1967, [2] p. il. 4° ([ARC-66.])
- 15538 67-10268. Self-balancing line-reversal pyrometer automatically measures gas temperatures, Aug. 1967, [2] p. il. 4° ([Lewis-348.])
- 15539 67-10269. Oscilloscope used as X-Y plotter or 2-dimensional analyzer, Aug. 1967, [2] p. il. 4° ([Lewis-311.])
- 15540 67-10270. Electronic shutter gates image orthicon on and off, Aug. 1967, 1 p. 4° (HQ-96.)
- 15541 67-10271. Pipe joints reinforced in place with fitted aluminum sleeves, Aug. 1967, [2] p. il. 4° ([MSC-11109.])
- 15542 67-10272. Portable machine welding head automatically controls arc, Aug. 1967, 1 p. 4° (MFS-12763.)
- 15543 67-10273. Spherical joint connects axially misaligned flanges, Aug. 1967, 1 p. il. 4° (M-FS-2238.)
- 15544 67-10275. Primary cell uses neither liquid nor fused electrolytes, Aug. 1967, [2] p. il. 4° ([NPO-10001.])
- 15545 67-10277. IR vidicon scanner monitors many test points, Aug. 1967, 1 p. 4° (M-FS-1937.)
- 15546 67-10278. CINDA, Chrysler improved numerical differencing analyzer computer program, Aug. 1967, [2] p. 4° ([M-FS-2298.])
- 15547 67-10283. Concept for modifying drafting instruments to minimize smearing, Aug. 1967, 1 p. il. 4° (KSC-10056.)
- 15548 67-10284. Vibrator clamped time is automatically controlled, Aug. 1967, [2] p. il. 4° ([MFS-2573.])
- 15549 67-10285. Static seal concept to accommodate seat tolerances, Aug. 1967, 1 p. il. 4° (MFS-1854.)

NASA tech briefs—Continued

- 15550 67-10290. Trace hydrazines in aqueous solutions accurately determined by gas chromatography. Aug. 1967. 1 p. 4° (MSC-11222.)
- 15551 67-10291. Remotely operated high pressure valve protects test personnel. Aug. 1967. [2] p. il. 4° ([MSC-11010.])
- 15552 67-10292. Welding of AM 350 and AM 355 steel. Aug. 1967. 1 p. 4° (MFS-2314.)
- 15553 67-10308. Jacketed cryogenic piping is stress relieved. Aug. 1967. [2] p. il. 4° (MFS-985.)

NASA technical note TN (series).

NAS 1.14: D-(nos.)

- 15554 D-3912. Compendium of NASA Aerobee sounding rocket launchings for 1964 [with bibliographies]; by Jon R. Busse [and others]. July 1967. cover title, iv+73 p. il. 4° Φ Paper, \$3.00.
- 15555 D-3945. Experimental evaluation of 6 ablative-material thrust chambers as components of storable-propellant rocket engines [with list of references]; by Arthur M. Shinn, Jr. June 1967. cover title, [1]+41 p. il. 4° [Some illustrations are colored.] Φ Paper, \$3.00.
- 15556 D-4027. Linearized error analysis on onboard primary navigation systems for Apollo lunar module [with list of references]; by Jerrold H. Suddath, Robert H. Kidd III, and Arnold G. Reinhold. Aug. 1967. cover title, ii+23 p. il. 4° Φ Paper, \$3.00.
- 15557 D-4030. Aerodynamic data on large semispan tilting wing with 0.5-diameter chord, single-slotted flap, and single propeller 0.08 chord below wing [with list of references]; by Marvin P. Fink. July 1967. cover title, [1]+200 p. il. 4° Φ Paper, \$3.00.
- 15558 D-4043. Monte Carlo code for solution of planar electron-diode problems including electron-neutral elastic collisions [with list of references]; by Paul Swigert and Charles M. Goldstein. Aug. 1967. cover title, v+133 p. il. 4° Φ Paper, \$3.00.
- 15559 D-4048. Feasibility of direct relay of Apollo spacecraft data via communication satellite [with list of references]; by P. E. Schmid. Aug. 1967. cover title, iii+48 p. il. 4° Φ Paper, \$3.00.
- 15560 D-4068. Qualification evaluation of pitch control motor for launch escape system of Apollo spacecraft program [with list of references]; by B. J. Lee and P. E. Cota, Jr. Aug. 1967. cover title, x+93 p. il. 4° Φ Paper, \$3.00.
- 15561 D-4069. Thermal bending plus twist of thin-walled cylinder of open section with application to gravity gradient booms [with list of references]; by Harold P. Frisch. Aug. 1967. cover title, iii+60 p. il. 4° Φ Paper, \$3.00.
- 15562 D-4070. Effects of fluid properties and gravity level on boiling in discrete bubble region [with list of references]; by Thomas H. Cochran and John C. Aydelott. Aug. 1967. cover title, [1]+24 p. il. 4° Φ Paper, \$3.00.
- 15563 D-4082. Approximate solutions of Runge-Kutta equations [with list of references]; by Joseph S. Rosen. Aug. 1967. cover title, iv+28 p. 4° Φ Paper, \$3.00.
- 15564 D-4088. Differential corrections applied to Vinti's accurate reference satellite orbit with inclusion of 3d zonal harmonic [with list of references]; by Harvey Walden and Stan Watson. Aug. 1967. cover title, iii+46 p. 4° Φ Paper, \$3.00.
- 15565 D-4096. Plane isotropic buildup factors for bremsstrahlung calculations [with list of references]; by M. O. Burrell and J. W. Watts. Aug. 1967. cover title, v+30 p. il. 4° Φ Paper, \$3.00.
- 15566 D-4097. Fortran IV program for calculation of thermodynamic data [with list of references]; by Bonnie J. McBride and Sanford Gordon. Aug. 1967. cover title, vi+129 p. il. 4° Φ Paper, \$3.00.
- 15567 D-4104. Low-thrust orbit raising in continuous sunlight while thrusting in plane perpendicular to earth-sun line [with list of references]; by James E. Ramler. Aug. 1967. cover title, [1]+45 p. il. 4° Φ Paper, \$3.00.
- 15568 D-4109. Critical analysis of various numerical integration methods for computing flow of gas in chemical nonequilibrium [with list of references]; by Harvard Lomax and Harry E. Bailey. Aug. 1967. cover title, [1]+42 p. il. 4° Φ Paper, \$3.00.
- 15569 D-4115. Flyby measurements of profiles of water vapor, particulate matter, and carbon dioxide in Martian atmosphere [with list of references]; by Alfred E. Barrington, Anthony J. Caruso, and Gene G. Manuella. Aug. 1967. cover title, [1]+13 p. il. 4° Φ Paper, \$3.00.
- 15570 D-4124. Buckling of pressurized toroidal ring under uniform external loading [with list of references]; by George E. Weeks. Aug. 1967. cover title, [1]+22 p. il. 4° Φ Paper, \$3.00.
- 15571 D-4132. Experimental investigation of frequency and viscous damping of liquids during weightlessness [with list of references]; by Jack A. Salzman, Thomas L. Labus, and William J. Masica. Aug. 1967. cover title, [1]+18 p. il. 4° Φ Paper, \$3.00.
- 15572 D-4141. Results of brief flight investigation of COIN-type STOL aircraft [with list of references]; by Terrell W. Feistel and Robert C. Innes. Aug. 1967. cover title, [1]+37 p. il. 4° Φ Paper, \$3.00.
- 15573 D-4142. Wind-tunnel investigation of 7-foot-diameter ducted propeller [with list of references]; by Kenneth W. Mort and Berl Gamse. Aug. 1967. cover title, [1]+39 p. il. 4° Φ Paper, \$3.00.
- 15574 D-4143. Effect of recrystallization on friction properties of some metals in single-crystal and polycrystalline form [with list of references]; by Donald H. Buckley. Sept. 1967. cover title, [1]+18 p. il. 4° Φ Paper, \$3.00.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15575 D-4144. Computer program for determining effects of chemical kinetics on exhaust-nozzle performance [with list of references]; by Leo C. Fraunciscus and Jeanne A. Healy. Sept. 1967. cover title, [1]+104 p. il. 4° Φ Paper, \$3.00.
- 15576 D-4146. Preliminary determinations of temperature limitations of ester, ether, and hydrocarbon base lubricants in 25-mm bore ball bearings [with list of references]; by Erwin V. Zaretsky and William J. Anderson. Sept. 1967. cover title, [1]+21 p. il. 4° Φ Paper, \$3.00.
- 15577 D-4150. Volume ion production costs in tenuous plasmas, general atom theory and detailed results for helium, argon, and cesium [with list of references]; by John V. Dugan, Jr., and Ronald J. Sovie. Sept. 1967. cover title, [1]+47 p. il. 4° Φ Paper, \$3.00.
- 15578 D-4152. Sliding friction of some members of platinum metals group [with list of references]; by Donald H. Buckley. Sept. 1967. cover title, [1]+15 p. il. 4° Φ Paper, \$3.00.
- 15579 D-4156. Theoretical performance of solar-cell space power systems using spectral dispersion: 1. Dispersion by prism reflector [with list of references]; by Anthony F. Katajezak. Sept. 1967. cover title, [1]+24 p. il. 4° Φ Paper, \$3.00.
- 15580 D-4163. Characteristics of split phase telecommunications link [with list of references]; by William E. Zrubek. Sept. 1967. cover title, ii+17 p. il. 4° Φ Paper, \$3.00.
- 15581 D-4166. Exact semiclassical theory for galvanomagnetic effects in metals [with list of references]; by Gale Fair and P. L. Taylor. Sept. 1967. cover title, [1]+8 p. 4° Φ Paper, \$3.00.

NASA technical translation TT (series).

- 15582 F-455. Problems of astrophysics [with list of references]; Ye P. Fedorov, editor-in-chief. Aug. 1967. cover title, v+127+148 p. il. 4° [Izdatel'tvo, Naukove dumka, Kiev, 1966.] Φ Paper, \$3.00.
L.C. card 67-62460 NAS 1.13/2: F-455

NATIONAL ARCHIVES AND RECORDS SERVICE, General Services Administration, Washington, D.C. 20408

- 15583 Publications of National Archives and Records Service. [June 1967.] [1]+17 p. narrow 8° (National Archives.) \dagger \bullet Item 569-C
L.C. card A 47-3061 GS 4.17: 967

NATIONAL BUREAU OF STANDARDS, Commerce Dept.
Gaithersburg, Md. 20760

Building science series. (Building Research Division, Institute for Applied Technology.)

- 15584 9. Thermal-shock resistance for built-up membranes [with lists of references; by] William C. Cullen and Thomas H. Boone. Aug. 21, 1967. iii+13 p. il. 4° Φ Paper, 20c. (incorrectly given on title page as 15c.) \bullet Item 241-A
L.C. card 67-60063 C 13.29 2: 9

Miscellaneous publications. \bullet Item 247

C 13.10: (nos.)

- 15585 250. Calibration and test services of National Bureau of Standards, notice of change to 1965 edition, insert 9, 10. June 15-16, 1967. 2+1 p. 4° [Issued with perforations.] \dagger
- 15586 Same: insert 11. June 25, 1967. 3 p. 4° [Issued with perforations.] \dagger
- 15587 Same: insert 12. June 30, 1967. 18 p. 4° [Issued with perforations.] \dagger
- 15588 260-13. Standard reference materials. Mossbauer spectroscopy standard for chemical shift of iron compounds [with list of references; by] Jon J. Spijkerman [and others]. July 28, 1967. viii+47+[1] p. il. 4° Φ Paper, 40c.
L.C. card 67-60030
- 15589 288. Directory of United States standardization activities; [by] Joan E. Hartman. Aug. 1, 1967. v+276+[1] p. [Supersedes Miscellaneous publication 230.] Φ Cloth, \$2.00.
L.C. card 67-60370
- 15590 292. Bibliography of Liesegang rings [1855-1965; by] Kurt H. Stern. 2d edition. Sept. 1, 1967. cover title, v+61 p. 4° [Since first edition of bibliography published by University of Arkansas Editorial Service, 1955, new references have been added.] Φ Paper, 40c.
L.C. card 67-61858

Monographs. \bullet Item 247-A

C 13.44: (nos.)

- 15591 25. Standard X-ray diffraction powder patterns: sec. 5 [Data for 80 substances, with lists of references; by] H. W. Swanson [and others]. Aug. 31, 1967. iv+90 p. il. 4° Φ Paper, 55c.
L.C. card 53-61386

Φ For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

\bullet Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Monographs—Continued

- 15592 103. Realistic uncertainties and mass measurement process, illustrated review; [by] P. E. Pontius and J. M. Cameron. Aug. 15, 1967. [2]+17 p. il. 4° (Institute for Basic Standards.) [Condensed version of lecture on error of measurement, presented at Seminar on Mass Measurement, held at National Bureau of Standards, Nov. 30-Dec. 2, 1964, and essentially as presented at 20th annual ISA conference held at Los Angeles, Calif., Oct. 4-7, 1965.] * Paper, 20c.
L.C. card 67-60056

NATIONAL LABOR RELATIONS BOARD Washington, D.C. 20570

- 15593 Address by Howard Jenkins, jr., Member, National Labor Relations Board, Washington, D.C., at 1st meeting of Urban League of Pikes Peak Region, affiliate of National Urban League. Aug. 16, 1967. [1]+9 p. 4° (R-1087.)
† LR 1.7: J 41/14
- 15594 Decisions and orders of National Labor Relations Board, v. 158, Apr. 14-June 9, 1966. 1967. xvi+1756 p. * Cloth, \$5.50. ● Item 826
L.C. card 37-26136 LR 1.8: 158
- 15595 National Labor Relations Board field manual. July 1967. cover title, [209 p.] [Issued in looseleaf form.] * Paper, \$2.00 (including basic manual and supplementary material for an indefinite period); 50c. additional for foreign mailing. ● Item 827-A LR 1.6/3: 967
- 15596 Purchaser and labor contract, escalating theory, by John H. Fanning, member, National Labor Relations Board, at annual convention of State Bar of Texas (Labor Law Section), Dallas, Tex., July 7, 1967. 1967. [1]+35 p. 4° (R-1081.) † LR 1.7: F 21/18

NATIONAL LIBRARY OF MEDICINE, Health, Education, and Welfare Dept., Bethesda, Md. 20014

- 15597 Bibliography of medical reviews, v. 12, 1967. [1967.] [3]+114+39 p. 4°
* Paper, \$1.25. ● Item 508-F
L.C. card 56-61913 FS 2.209/2: 12
- 15598 Catalogue of 16th century printed books in National Library of Medicine; compiled by Richard J. Durling. 1967. xii+698 p. il. 4° * Cloth, \$5.25.
● Item 508-F
L.C. card 67-62303 FS 2.209: S19

NATIONAL MUSEUM, Smithsonian Institution Washington, D.C. 20560

Bulletins. ● Item 919 SI 3.3:(nos.)

- 15599 248. Carriker on Mallophaga, posthumous papers, catalog of forms described as new, and bibliography, Melbourne A. Carriker, jr. [1879-1965]; edited by K. C. Emerson. 1967. ix+150 p. il. 1 pl. ([Museum of Natural History.])
* Paper, 75c.
L.C. card 67-62439
- 15600 250. White House china of Lincoln Administration in Museum of History and Technology; [by] Margaret Brown Klapthor. 1967. [2]+111-120 p. il. 4° (Contributions from Museum of History and Technology, paper 62.)
* Paper, 35c.
L.C. card 67-62324
- 15601 Contributions from National Herbarium.
v. 38, pt. 2. Studies of fern types, 1; by C. V. Morton. 1967. [1]+29-83 p. †
● Item 920
L.C. card 67-62364 SI 3.8: 38/2
- Proceedings of National Museum. † ● Item 922 SI 3.6:(nos.)
- 15602 3595. Ecology and social organization in iguanid lizard, *Anolis lineatopus* [with list of literature cited]; by S. Stanley Rand. 1967. v. 122, cover title, 79 p. il.
- 15603 3597. Comparative study in rodent ethology with emphasis on evolution of social behavior, 1 [with list of literature cited]; by John F. Eisenberg. 1967. v. 122, cover title, 51 p. il.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15604 3602. Crayfishes and their epizootic ostracod and branchiobdellid associates of Mountain Lake, Va., region [with list of literature cited]; by Horton H. Hobbs, jr., Perry C. Holt, and Margaret Walton. 1967. v. 123, cover title, 84 p. il.
- 15605 3613. Two new crustaceans, parasitic copepod *Sphaeronellopsis monothrix* (Chonostomatidae) and its myodocopid ostracod host *Parasterope pollex* (Cylindroleberidae) from southern New England coast [with list of literature cited]; by Thomas E. Bowman and Louis S. Kornicker. 1967. v. 123, cover title, 28 p. il. 1 pl.
- 15606 3616. Review of genus *Euparixia*, with description of new species from nests of leaf-cutting ants in Louisiana (Coleoptera: Scarabaeidae) [with list of literature cited]; by Robert E. Woodruff and Oscar L. Cartwright. 1967. v. 123, cover title, 21 p. il. 2 pl.
- 15607 3623. *Carlus*, new genus of caligoid copepod, with key to genera of Calignae [with list of literature cited]; by Roger F. Cressey. 1967. v. 123, cover title, 8 p. il.

**NATIONAL PARK SERVICE, Interior Dept.
Washington, D.C. 20242**

- 15608 Assateague Island [National Seashore]. [1967.] 2 p. il. oblong 8°, folded into oblong 32° size. (NS-A1-17000.) * Paper, 10c. ● Item 651
I 29.6/2: As 7/967
- 15609 Buck Island Reef [National Monument]. [1967.] 2 p. il. narrow f°, folded into narrow 8° size. * Paper, 10c. ● Item 650
I 29.21: B 85/967
- 15610 Camping in National park system. [1967.] [20] p. il. 4°, folded into narrow 8° size. * Paper, 25c. ● Item 646-C
I 29.71: 967
- 15611 Flaming Gorge Recreation Area, Wyo., Utah. [Revised 1967.] [1967.] [2] p. il. large 4°, folded into narrow 8° size. * Paper, 15c. ● Item 654
I 29.39: F 61/967
- 15612 Hovenweep [National Monument]. [1967.] [2] p. il. f° folded into oblong 48° size. * Paper, 10c. ● Item 650
I 29.21: H 82/2/967
- 15613 Monumentos historicos nacionales de San Juan; [San Juan] National Historic Site, Puerto Rico. [1967.] [2] p. il. large 4° folded into narrow 8° size. [English and Spanish.] † ● Item 650
I 29.21: Sa 5j/967

**NATIONAL RAILROAD ADJUSTMENT BOARD
Washington, D.C. 20572**

- 15614 Awards 13471-525, 3d division, v. 146. Keenan Printing Company, Chicago, Ill. [1967]. [1]+1004 p. † Third Division, National Railroad Adjustment Board, 220 South State Street, Chicago, Ill. 60604 (Price upon application).
L.C. card 36-26212 RA 1.9: 146
- 15615 Awards 13526-635, 3d division, v. 147. Keenan Printing Company, Chicago, Ill. [1967]. [1]+1002 p. † Third Division, National Railroad Adjustment Board, 220 South State Street, Chicago, Ill. 60604 (Price upon application).
L.C. card 36-26212 RA 1.9: 147

**NATIONAL SCIENCE FOUNDATION
Washington, D.C. 20550**

- 15616 Proceedings of conference on technology transfer and innovation, under auspices of National Planning Association and National Science Foundation, May 15-17, 1966. [1967.] [6]+126 p. 4° (NSF 67-5.) * Paper, 65c. ● Item 834-C
L.C. card 67-62467 NS 1.2: T 22/3

**NAVAL ACADEMY, Annapolis, Defense Dept.
Annapolis, Md. 21402**

- 15617 Annual register of United States Naval Academy, Annapolis, Md., June 8, 1966, 122d academic year [1966-67]. 1966 [published 1967]. xv+153 p. ([NAVPERS 15,019.]) † ● Item 389
L.C. card 7-32067 D 208.107: 966-67

**NAVAL AIR SYSTEMS COMMAND, Defense Dept.
Washington, D.C. 20360**

NOTE.—The Naval Air Systems Command was established May 1, 1966, in the reorganization of the Navy Department. The Naval Weapons Bureau was disestablished on the same date and some of its field activities and employees assigned to the Naval Air Systems Command.

- 15618 U.S. naval weather service computer products manual [with lists of references; prepared by R. E. Hughes]. Mar. 1, 1967. ix+[267] p. il. 4° (NAVAIR 50-IG-522.) ‡ ● Item 374-B (Rev. 1966).
D 202.6/7: W 37/2

**NAVAL FACILITIES ENGINEERING COMMAND, Defense Dept.
Washington, D.C. 20360**

- 15619 Definitive designs for naval shore facilities, July 1962, pt. 1, v. 1 and 2, Change 4; July 1965. [1965.] [6] leaves, il. oblong f° (NAVYDOCKS P-272, pt. 1, Change 4.) [Includes Publications transmittal. Issued in looseleaf form.] * Paper, 55c. D 209.14: D 46/pt.1/v.1,2/ch.4
- 15620 — Change 5; Mar. 1967. Apr. 1967. [41] leaves, il. oblong f° (NAVDOCKS P-272 (1), Change 5.) [Includes Publications transmittal. Issued in looseleaf form.] * Paper, \$1.75. ● Item 418-A
D 209.14: D 46/pt.1/v.1,2/ch.5

**NAVAL OBSERVATORY, Defense Dept.
Washington, D.C. 20350**

- 15621 Air almanac, 1968, Jan.-Apr. 1967. p. 1-244+F4+A82 p. il. 4° [Text on p. 2-4 of cover. The F4 pages of collation consists of Navigational star chart mounted on cloth, with Stars, Jan.-Apr. 1968, Interpolation of G.H.A., Interpolation of moonrise, moonset, and Star index on verso. Produced jointly by H.M. Nautical Almanac Office, Royal Greenwich Observatory, and by Nautical Almanac Office, U.S. Naval Observatory. Printed separately in England and United States.] * Stiffboard, \$3.25.
● Item 393
L.C. card 52-61239 D 213.7: 968/1
- 15622 Astronomical phenomena for [calendar] year 1970; issued by Nautical Almanac Office. 1966 [published 1967]. xxxv+[39] p. il. [Preprint of selected pages from American ephemeris and nautical almanac.] * Paper, 40c. ● Item 396-A D 213.8/3: 970
- Publications of Naval Observatory. 2d series, v. 18.
- 15623 pt. 6 [Micrometer measures of 1164 double stars, with list of references; by Charles E. Worley]. 1967. 133 p. large 8°. ‡ ● Item 398
L.C. card A 67-7651 D 213.10: 18/pt.6

**NAVAL OCEANOGRAPHIC OFFICE, Defense Dept.
Washington, D.C. 20390**

National Oceanographic Data Center publication: General series.

- 15624 G-12. Indian Ocean atlas, interpolated values of depth, salinity, and temperature on selected Sigma-t surfaces; compiled by Hydrodynamics Branch. 1967. v+61 p. il. oblong f° ‡ Paper, \$2.00.
L.C. card MAP 67-68 D 203.24: G-12
- Publications. ● Item 378 (Rev. 1957) D 203.22: (nos.)
- 15625 26. Change 10, May 27, 1967, loose leaf change pages for correcting Sailing directions for west coasts of Mexico and Central America, 9th edition, 1951. [1967.] [269] p. il. 4° [Formerly no. 84. Includes list of effective pages.] ‡ Paper, 35c.
- 15626 48. Change 7, July 15, 1967, loose leaf change pages for correcting Sailing directions for northern U.S.S.R., v. 2, 1st edition, 1954. [1967.] [200] p. il. 4° [Formerly no. 137B. Includes list of effective pages.] ‡ Paper, 35c.
- 15627 53. Change 6, July 1, 1967, loose leaf change pages for correcting Sailing directions for Mediterranean, v. 2, 5th edition, 1958. [1967.] [484] p. il. 4° [Formerly no. 152. Includes list of effective pages.] ‡ Paper, 35c.
- 15628 56. Change 10, Feb. 25, 1967, loose leaf change pages for correcting Sailing directions for Mediterranean, v. 5, 2d edition, 1952. [1967.] [262] p. 4° [Formerly 154B. Includes list of effective pages.] ‡ Paper, 35c.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

OCTOBER 1967

- 15629 92. Change 7, July 8, 1967, loose leaf change pages for correcting Sailing directions for Philippine Islands, v. 3, 1st edition, 1956. [1967.] [326] p. il. 4° [Formerly no. 80. Includes list of effective pages.] † Paper 35c.
- 15630 94. Change 5, May 13, 1967, loose leaf change pages for correcting Sailing directions for coast of China, 6th edition, 1959. [1967.] [361] p. il. 4° [Formerly no. 124. Includes list of effective pages.] † Paper, 35c.

NAVAL PERSONNEL BUREAU, Defense Dept. Washington, D.C. 20390

- 15631 Construction electrician 3 and 2 [with reading list; prepared by Training Publications Division of Naval Personnel Program Support Activity, Washington, D.C.]. [Original edition 1949, revised, 1966.] [1967.] cover title, v+303 p. il. 4° (Navy training course; NAVPERS 10636-F.) †
● Item 404
L.C. card 64-60463 D 208.11: E1 2/6/966
- 15632 Educational services manual, 1967. [1967.] cover title, v+27+[S3] p. 4° (NAVPERS 15229.) [Includes list of effective pages.] † ● Item 403-A
D 208.6/3: Ed 8/2
- 15633 Organization and functions of Office of Judge Advocate General. [1st edition 1949, 3d edition 1967.] 1967. cover title, iv+146 p. il. 4° (NAVPERS 10843-B.) † ● Item 404
L.C. card 67-62461 D 208.11/2: J 89/967
- 15634 Signalman 1 and C [with reading list; prepared by Training Publications Division, Naval Personnel Program Support Activity]. [Original edition 1959, revised 1967.] [1967.] cover title, iv+252 p. il. 4° (Navy training course; NAVPERS 10136-B.) [Some illustrations are colored.] †
● Item 404
L.C. card 67-62269 208.11: Si 2/2/967

NAVAL RESEARCH OFFICE, Defense Dept. Washington, D.C. 20390

Naval Training Device Center, Orlando, Fla.: Technical report NAVTRA DEVCEN (series).

- 15635 4717-1. Use of cuoig in training tasks, phase 3 [with list of references; by] John Aonett, Laura Paterson, Aug. 1967. cover title, iv+32+[2] p. 4° (University of Hull, Hull, Yorkshire, United Kingdom; contract N62-558-4717.) [Text on p. 2 of cover. Abstract cards inserted.] †
D 210.14: 4717-1
- NRL reports. (Naval Research Laboratory.) D 210.8: (nos.)
- 15636 6503. Infrared spectra of plastics and resins; pt. 3. Related polymeric materials (elastomers) [with list of references; by] Dorothy S. Cunn and Suzanne S. Stimler, Feb. 28, 1967. cover title, ii+28+[4] p. il. 4° ([NRL problem C07-01; project RR 001-01-43-4803.] † Paper, \$3.00 (AD 649004).
- 15637 6552. Microwave monitoring of sea water contamination of Navy fuel oils [with list of references; by] D. D. Howard [and others]. June 21, 1967. cover title, ii+18+[4] p. il. 4° ([NRL problems R02-13 and C01-10, project RF001-02141-4004 and SR 001-06-02-0600.] † Paper, \$3.00 (AD 655819).
- 15638 6557. Discrete finite Fourier transforms, tutorial approach [with list of references; by] D. A. Swick, June 29, 1967. cover title, ii+16+[4] p. 4° ([NRL problem S01-06; project RF 101-03-44-4054.] † Paper, \$3.00 (AD 656377).
- 15639 Training device guide [rev. ed page-]. July 1, 1967. [30] p. il. 4° (NAVSOP-530-2-R1: Naval Training Device Center, Orlando, Fla.) [Issued in looseleaf form. Includes Change page notice 1.] †
D 210.14/2: T 68/966/ch. 1

NAVAL SUPPLY SYSTEMS COMMAND, Defense Dept. Washington, D.C. 20360

NOTE.—The Bureau of Supplies and Accounts was abolished and its functions transferred to the Naval Supply Systems Command effective May 1, 1966.

- 15640 Food operations reference manual, [Oct. 30, 1964], 2d increment; Dec. 6, 1965. [1965.] iv+[88] p. il. 4° (NAVSANDA publication 421.) [Issued in looseleaf form. Contains copyright material.] * Paper, 50c.
D 212.6/3: F 73/2d incr.

✦For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 15641 Food operations reference manual, [Oct. 30, 1964], 3d increment; July 31, 1967. [1967.] v+[133] p. il. 4° (NAVSUP publication 421; Navy Subsistence Office.) [Issued in looseleaf form. Contains copyright material.] * Paper, 70c. D 212.6/3: F 73/3d incr.

PATENT OFFICE, Commerce Dept. Washington, D.C. 20231

- 15642 Manual of patent examining procedure [3d edition, Nov. 1961; revised pages]. [July 1967.] [72] p. 4° [Includes revision 13. Issued in looseleaf form.] * Paper, \$4.00 (including basic manual and supplementary material for an indefinite period); \$1.00 additional for foreign mailing. ● Item 259 C 21.15: 961/rev.notice 13

POST OFFICE DEPARTMENT Washington, D.C. 20260

- 15643 Address by Postmaster General Lawrence F. O'Brien before national convention of National Association of Post Office Mail Handlers, Watchmen, Messengers and Group Leaders, AFL-CIO, Detroit, Mich., Aug. 30, 1967. 1967. 8 leaves, 4° (Information Service; General release 118.) † P 1.27: Ob 6/25

[Commemorative stamp posters.]

NOTE.—Commemorative stamp posters, which are issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.

- 15644 3-cent Francis Parkman regular postage stamp on sale Sept. 16, 1967 at Boston, Mass. 1967. 10.5 x 8 in. P 1.26/2: P 23
15645 5-cent Finland independence commemorative postage stamp available at your local post office Oct. 9, 1967. 1967. 10.5 x 8 in. P 1.26/2: F 49/2
15646 5-cent urban planning commemorative postage stamp available at your local post office Oct. 3, 1967. 1967. 10.5 x 8 in. P 1.26/2: U r 1
15647 20-cent George C. Marshall regular postage stamp on sale Oct. 24, 1967 at Lexington, Va. 1967. 10.5 x 8 in. P 1.26/2: M 35
15648 \$1 Eugene O'Neill regular postage stamp on sale Oct. 16, 1967 at New London, Conn. 1967. 10.5 x 8 in. P 1.26/2: On 2

State postal maps.

- 15649 Alabama, Apr. 24, 1964. Scale 50 m.=6.2 in. [1966.] 48 x 33 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: Ar 4k
Inset:
Birmingham and vicinity.
15650 Arizona, Dec. 1, 1964. Scale 60 m.=5 in. [1966.] 40 x 33 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: Ar 4l
15651 Arkansas, May 26, 1965. Scale 50 m.=5.5 in. [1966.] 33 x 35 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: Ar 4k
15652 Colorado, Nov. 1, 1964. Scale 30 m.=3 in. [1966.] 36 x 52 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: C 71
Inset:
Denver area.
15653 Idaho, July 1, 1964. Scale 50 m.=4.1 in. [1966.] 46 x 34 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: Id 1
15654 Iowa, Mar. 11, 1964. Scale 30 m.=4.3 in. [1966.] 35 x 51 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: Io 9
15655 Kansas, Aug. 1, 1964. Scale 40 m.=4 in. [1966.] 29 x 52 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: K 13
15656 Kentucky, Sept. 30, 1964. Scale 30 m.=4.2 in. [1966.] 30 x 59 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: K 41
15657 Louisiana, July 29, 1965. Scale 40 m.=4.4 in. [1966.] 35 x 39 in. [Reprinted July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to service lines.] * Paper, 35c. P 1.39/2: L 93
15658 Michigan, June 1, 1966. Scale 40 m.=4.4 in. [1967.] 51 x 36 in. * Paper, 35c. P 1.39/2: M 68
Inset:
Detroit and vicinity.
15659 Minnesota, Sept. 23, 1965. Scale 40 m.=4 in. [1967.] 45 x 36 in. * Paper, 35c. P 1.39/2: M 66

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Inset:

- St. Paul-Minneapolis area.
 15660 Mississipp, Oct. 26, 1965. Scale 40 m.=5 in. [1967.] 48 x 33 in. * Paper, 35c.
 P 1.39/2 : M 69 J
 15661 Montana, Sept. 1, 1964. Scale 70 m.=5.8 in. [1966.] 34 x 52 in. [Reprinted
 July 1, 1966, to reflect SCF boundaries and ZIP codes without correction to
 service lines.] * Paper, 35c. P 1.39/2 : M 76
 15662 Nebraska, May 12, 1965. Scale 40 m.=4 in. [1966.] 29 x 52 in. [Reprinted July 1,
 1966, to reflect SCF boundaries and ZIP codes without correction to service
 lines.] * Paper, 35c. P 1.39/2 : N 27
 Inset:
 Omaha and vicinity.

PRESIDENT OF UNITED STATES
 Washington, D.C. 20501

- 15663 Educational Opportunity Bank, report of Panel on Educational Innovation
 to Commissioner of Education, Director of National Science Foundation,
 and Special Assistant to the President for Science and Technology. Aug.
 1967. vii+21 p. * Paper, 15c. • Item 851-J
 L.C. card 67-62449 Pr 35.8 : Sci 2/Ed 8/2
- 15664 Employment assistance for the handicapped, directory of Federal and State
 programs to help the handicapped to employment. [1967.] cover title,
 [3]+37 p. (President's Committee on Employment of the Handicapped.)
 [Text on p. 2 of cover.] † President's Committee on Employment of
 the Handicapped, 7131 Department of Labor Bldg., Washington, D.C.
 20210 • Item 766-C PrEx 1.10 : Em 7
- 15665 MR 67, 1st report to the President on Nation's progress and remaining great
 needs in campaign to combat mental retardation. [1967.] cover title, iv+
 32 p. il. 4° (President's Committee on Mental Retardation.) * Paper,
 50c. • Item 851-J
 L.C. card 67-62450 Pr 36.8 : M 52/R 29/967
- National Advisory Commission on Food and Fiber [technical papers].
- 15666 v. 2. Cotton and other fiber problems and policies in United States [articles, with
 bibliographies]. July 1967. xvii+213 p. il. * Paper, \$1.00. • Item
 851-J Pr 36.8 : F 73/T 22/v.2
- 15667 President's Committee on Employment of the Handicapped announces its
 20th annual Ability counts survey contest for 11th and 12th grade high
 school students, 1968 theme: Challenge of employment barriers to handi-
 capped, community survey. [1967.] [4] p. il. 4° † President's Committee
 on Employment of the Handicapped, 7131, Department of Labor Build-
 ing, Washington, D.C. 20210 • Item 766-C PrEx 1.10/6 : 968
- 15668 Rural poverty, hearings before National Advisory Commission on Rural
 Poverty, Tucson, Ariz., Jan. 26 and 27, 1967. Sept. 1967. vi+403 p.
 † Agriculture Department, Washington, D.C. 20250. • Item 851-J
 L.C. card 67-62452 Pr 36.8 : R 88/R 88/967

PUBLIC DOCUMENTS DIVISION, Government Printing Office
 Washington, D.C. 20402

Price list PL (series). † • Item 554 GP 3.9 : (nos.)

- 15669 19. Army, field manuals and technical manuals; Sept. 1967. 55th edition. [1967.]
 [2]+12 p.
 L.C. card 26-26487
- 15670 36. Government periodicals and subscription services; Aug. 1967. 127th edition.
 [1967.] [2]+35 p.
 L.C. card 26-26170
- 15671 55. Smithsonian Institution, National Museum and Indians; Sept. 1967. 40th
 edition. [1967.] [2]+7 p.
 L.C. card 25-27429
- 15672 67. Immigration, naturalization, and citizenship; Sept. 1967. 47th edition. [1967.]
 [2]+4 p.
 L.C. card 26-26387
- 15673 7 aids to home canning and food preservation [announcement and order
 form]. [1967.] 2 p. narrow 8° † • Item 552 GP 3.22 : H 75/7/967

♣For Sale by Clearinghouse, U.S. Department of
 Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept. Washington, D.C. 20201

- 15674 Aberrant cells, nature of cancer, 35 mm filmstrip; [prepared by Research Information Branch, National Cancer Institute, National Institutes of Health]. [1967.] [2]+19+[1] p. il. oblong 16° † ● Item 507
FS 2.22: C 16/30
- 15675 Alcohol and alcoholism [with bibliography and list of suggested supplementary reading; produced by Public Information Branch]. [1967.] xi+73 p. ([Publication 1640; National Clearinghouse for Mental Health Information], National Institute of Mental Health, National Center for Prevention and Control of Alcoholism.) * Paper, 50c. ● Item 507
L.C. card 67-62367 FS 2.22: A 1/5
- 15676 Careers in U.S. Public Health Service [pharmacist]. [1967.] [8] p. il. narrow 8° ([Publication 1648.]) † ● Item 485 FS 2.2: P 49/2
- 15677 Congenital heart disease, review of research grants supported by National Heart Institute, 1949-66 [with list of references]; by May Sherman. [1967.] x+296 p. 4° ([Publication 1684; National Institutes of Health, National Heart Institute, Extramural Programs.]) [Subject index by Ellen M. Barnes, bibliography by Elizabeth B. Ingram.] † ● Item 507
L.C. card 67-62349 FS 2.22: H 35/9
- 15678 Coronary Drug project; [prepared by Collaborative Studies Program and Heart Information Center, National Heart Institute, National Institutes of Health]. [Sept. 1967.] cover title, 12 p. il. oblong 12° ([Publication 1695.]) * Paper, 25c. ● Item 507
L.C. card 67-62369 FS 2.22: C 81
- 15679 Dental internships in U.S. Public Health Service hospitals. [1967.] cover title, [8] p. il. narrow 8° ([Publication 1639; Division of Direct Health Services.]) † ● Item 496-B FS 2.89/2: 967
- 15680 Directory of State and territorial health authorities, 1967. [1967 revision.] [1967.] v+112+3 p. ([Publication 75; Office of Surgeon General, Office of Comprehensive Health Planning.]) * Paper, 50c. ● Item 483-B
L.C. card 24-26936 FS 2.77/2: 967
- Environmental health series: Radiological health. (National Center for Radiological Health, Rockville, Md.) ● Item 483-F
FS 2.300: RH-(nos.)
- 15681 RH-24. Distribution of cobalt 60, zinc 65, strontium 85, and cesium 137 in freshwater pond [with list of references; by] William A. Brungs, Jr. Mar. 1967. vi+52+[1] p. il. ([Publication 999-RH-24.]) [Abstract cards attached to back cover.] † (Limited distribution) Public Inquiries Branch, Public Health Service, U.S. Department of Health, Education, and Welfare, Washington, D.C. 20201
L.C. card 67-60035
- 15682 RH-25. Radionuclide standardization, bibliography; [by] George I. Coats. [Apr. 1967.] vii+31+[1] p. ([Publication 99-RH-25; Bureau of Disease Prevention and Environmental Control.]) [Abstract cards attached to back cover.] † Public Inquiries Branch, Public Health Service, Department of Health, Education, and Welfare, Washington, D.C. 20201.
L.C. card 67-60045
- Urban and industrial health. (Bureau of Disease Prevention and Environmental Control, National Center for Urban and Industrial Health.) † ● Item 483-F FS 2.300: UIG-(nos.)
- 15683 UIH-1. Northwest Shellfish Sanitation Research Planning Conference, 1966 proceedings [with lists of references; by] W. J. Beck and J. C. Hoff. 1967. [2]+iii+88 p. il. 4° ([Publication 999-UIH-1; Shellfish Sanitation Branch, Water Supply and Sea Resources Program.])
L.C. card 66-60430
- 15684 UIH-3. Feasibility of mass, outdoor cultivation of *Gonyaulax catenella* [with list of references; by] Joseph M. Cummins, Clarence L. Law, William F. Hill, Jr. July 15, 1966 [published 1967]. vii+20 p. il. 4° ([Publication 999-UIH-3; Water Supply and Sea Resources Program.])
L.C. card 67-62471

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Health economics series.

- 15685 1-A. Medical care financing and utilization, selected revisions. [Feb. 1967.] ix+74 p. 4° ([Publication 947-1A]; Division of Medical Care Administration, Health Economics Branch.) [Updates and partially revises Medical care financing and utilization source book of data through 1961, which was issued in 1962 as Health economics series no. 1 and PHS publication no. 947-1.] * Paper, 50c. • Item 496-D FS 2.99:1-A

Health information series. • Item 486

FS 2.50:(nos.)

- 15686 76. Cancer, what to know, what to do about it; [prepared by Research Information Branch, National Cancer Institute, National Institutes of Health.] [Revised 1967.] [1967.] [8] p. il. narrow 8° ([Publication 375.]) * Paper, \$3.25 per 100; single copy, 5c.
- 15687 112. Pesticides; [prepared by Pesticides Program (formerly Office of Pesticides) National Communicable Disease Center]. [Revised Feb. 1967.] [1967.] [8] p. narrow 8° ([Publication 1081: Bureau of Disease and Environmental Control.]) * Paper, \$3.25 per 100; single copy 5c.

Health mobilization series. (Division of Health Mobilization.)

- 15688 G-2. Preparing hospital plant for emergencies [articles, with bibliography]. 1967. iii+58 p. il. ([Publication 1071-G-2.]) [Text on p. 2 of cover.] * Paper, 25c. • Item 486-E FS 2.302:G-2
- 15689 Histopathology laboratory procedures of Pathologic Anatomy Branch of National Cancer Institute [with list of general references; by] Mary C. Bowling. [1967.] vi+125 p. ([Publication 1595.]) * Paper, 75c. • Item 507-H

L.C. card 67-62445

FS 2.22/15:H 62

Hospital and medical facilities series (Hill-Burton program); [Category C, Organization-administration].

- 15690 C-17. Environmental aspects of hospital; v. 3, Safety fundamentals [articles, with bibliographies]. [July 1967.] vii+49 p. il. 4° ([Publication 930-C-17]; Division of Hospital and Medical Facilities and Division of Environmental Engineering and Food Protection.) [Text on p. 2 of cover.] * Paper, 40c. • Item 486-D

L.C. card 67-61227

FS 2.74/3:C-17

— [Category D], Design-equipment. ([Division of Hospital and Medical Facilities, Architectural, Engineering, and Equipment Branch.])

- 15691 D-4. Hospital and nursing home equipment planning guide. [Revised 1967.] [1967.] cover title, [6]+93 p. il. 4° ([Publication 930-D-4.]) * Paper, 50c. • Item 486-D

L.C. card 67-62470

FS 2.74/3:D-4/3

— [Category F], Reports, analyses. (Division of Hospital and Medical Facilities.)

- 15692 F-11. Proceedings, 1966 conference of Hill-Burton and mental retardation construction authorities with Surgeon General, Dec. 5-8, 1966, Washington, D.C. [May 1967.] v+57 p. il. 4° ([Publication 930-F-11.]) * Paper, 45c. • Item 486-D

L.C. card 56-4525

FS 2.74/3:F-11

- 15693 Jobs happen, careers don't. [1967.] [8] p. il. narrow 8° † • Item 485

FS 2.2:J 57/3

- 15694 KWIC index to Journal of Health Physics Society (1958-66); compiled by Medical and Occupational Radiation Program, assisted by Data Systems and Mathematics Section, Technical Services Branch. May 1967. viii+256+[1] p. 4° ([Publication 1663]; Bureau of Disease Prevention and Environmental Control, National Center for Radiological Health.) † • Item 485

L.C. card 67-62574

FS 2.2:II 34/34/958-66

- 15695 Medical examiners' and coroners' handbook on death and fetal death registration. [1967.] vi+50 p. ([Publication 593-D]; National Center for Health Statistics.) * Paper, 25c. • Item 509 FS 2.106/2:M 46

- 15696 Mental health digest. (National Clearinghouse for Mental Health Information, [National Institute of Mental Health.]) [Irregular.] † • Item 507-T

FS 2.22/50-5:(date)

Aug. 1967—

Mental health statistics, current facility reports, series MHB. (National Institute of Mental Health.)

- 15697 H-11. Provisional patient movement and administrative data, State and county mental hospitals, United States, 1966. Jan. 1967. 10 p. il. 4° † • Item 491-A FS 2.53/2:II-11

GOVERNMENT PUBLICATIONS

- 15698 Minimum sanitary standards for community infant formula services; prepared by Bureau of Disease Prevention and Environmental Control, National Center for Urban and Industrial Health, Cincinnati, Ohio. [1967.] v+29 p. ([Publication 1625.]) [Prepared in cooperation with American Academy of Pediatrics, Evanston, Ill.] * Paper, 20c. ● Item 496-A
L.C. card 67-62368 FS 2.6/2: In 3
- 15699 Neurological information network of National Institute of Neurological Diseases and Blindness. [1967.] [6] p. narrow 8° ([Publication 1691.])
† ● Item 507 FS 2.22: N 39/2
- 15700 NIH library translations index, supp. 3, 1966. [1]+xi+65 p. 4° (Translating Unit, Readers Services Section, Library Branch, Division of Research Services, National Institutes of Health.) †
L.C. card 64-62763 FS 2.22: T 68/2/954-63/supp.3
- 15701 Nurse supply and needs, current nursing statistics in brief, 1967. [Revised 1967.] [1967.] [6] p. oblong 48° ([Publication 1534; Bureau of Health Manpower, Division of Nursing.]) † ● Item 485 FS 2.2: N 93/59/967
- 15702 Partnership for health, information and policies on grants to States for comprehensive health planning, sec. 314(a) Public Health Service act, as amended by Public law 89-749. [Aug. 15, 1967.] [3]+20 p. 4° (Office of Surgeon, Office of Comprehensive Health Planning.) † ● Item 485
FS 2.2: G 76/4
- 15703 Proceedings of national workshop on bioengineering research and manpower, sponsored by Division of Research Grants, National Institutes of Health, Bethesda, Md., held at Philadelphia, Pa., Nov. 9, 1965; co-editors Richard J. Gowen [and] Errett C. Albritton. [1967.] [3]+94 p. 4° ([Publication 1658.]) † ● Item 507
L.C. card 67-62366 FS 2.22: B 52/5
- 15704 Proceedings, 3d National Conference on Air Pollution, Washington, D.C., Dec. 12-14, 1966 [with lists of references; prepared by Office of Legislative and Public Affairs, National Center for Air Pollution Control]. [1967.] xvi+667 p. il. 4° ([Publication 1649.]) [Publication number incorrectly given on p. 4 of cover as 1669.] * Paper, \$4.25. ● Item 492-D
L.C. card 59-60734 FS 2.98: P 94/966
- Public health bibliography series.
- 15705 45. Bibliography on smoking and health, with English abstracts of foreign items, 1967 cumulation. [1967.] v+523 p. 4° ([Publication 1124; Bureau of Disease Prevention and Environmental Control, National Center for Chronic Disease Control, National Clearinghouse for Smoking and Health.]) [Replaces Bibliography on Smoking and Health 1958-63 and its 1963-64 supplements.] * Paper, \$2.75. ● Item 481-A
L.C. card 64-61433 FS 2.21: 45/2
- 15706 Public Health Service grants and awards, fiscal year 1966 funds: pt. 5, Summary tables and graphic highlights; [prepared by National Institutes of Health, Division of Research Grants, Statistics and Analysis Branch]. [1967.] xi+778 p. il. ([Publication 1564, pt. 5.]) * Paper, \$2.00. ● Item 507-D
L.C. card 48-2277 FS 2.22/7: 966/pt.5
- 15707 Research grant program of National Institute of Mental Health, sourcebook of descriptive data, fiscal year 1965; [prepared by Program Analysis Section, Division of Extramural Research Programs, National Institute of Mental Health. [1967.] v+28 p. 4° ([Publication 1620; National Clearinghouse for Mental Health Information.]) * Paper, 25c. ● Item 507
L.C. card 66-61706 FS 2.22: M 52/59/965
- Research report.
- 15708 3. Drugs vs. cancer. [1967.] III+17 p. 12° ([Publication 1652; Research Information Branch, National Cancer Institute, National Institutes of Health.]) * Paper, 15c. ● Item 507-V FS 2.22/32: 3
- *For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

OCTOBER 1967

- 15709 Safety tips in, on, and around water. [1967.] [4] p. il. 48° [Prepared in cooperation with American National Red Cross.] * Paper, 75c per 100, single copy 5c. FS 2.6/2: Sa 1
- 15710 Schools offering nurse traineeship for full time academic study, 1967-68, under professional nurse traineeship program of Public Health Service. [Revised June 1967.] [1967.] 18 p. ([Supplement A to publication 1154-I; Bureau of Health Manpower, Division of Nursing.]) † ● Item 485 FS 2.2: N 93/38/supp.-2/967
- 15711 Special nurse research fellowship, predoctoral and postdoctoral, general information. [1967.] 7 p. ([Publication 1650; Bureau of Health Manpower, Division of Nursing.]) † ● Item 485 FS 2.2: N 93/61
- 15712 Special report on emphysema. [1967.] cover title, 16 p. il. ([Publication 1699; National Institutes of Health, National Institute of Allergy and Infectious Diseases.]) [Text on p. 3-4 of cover.] † ● Item 507 FS 2.22: Em 7
- 15713 Traineeships for professional health personnel under public health traineeship program. Revised June 1967. [1967.] [2] p. 4° folded into oblong 48° size. (Publication 1147.) † ● Item 485 FS 2.2: T 68/4/967
- 15714 Training homemaker-home health aide in personal care [with bibliography; by E. C. Gilbertson]. [June 1967.] [1]+[12] p. ([Publication 1656; Division of Medical Care Administration.]) * Paper, 10c. ● Item 485 FS 2.2: H 34/32
- Vital and health statistics: Series 21, Data from National Vital Statistics System. (National Center for Health Statistics.)
- 15715 12. Fertility and educational attainment, Puerto Rico, 1962 [with list of references; by Frank H. Godley]. Sept. 1967. [6]+20 p. il. 4° ([Publication 1000, series 21, no. 12; Division of Vital Statistics.]) * Paper, 25c. ● Item 500-E FS 2.85/2: 21/no.12
L.C. card 67-60079
- Vital statistics of United States, 1965. ([National Center for Health Statistics, Division of Vital Statistics.]) ● Item 510 FS 2.111: 965/v.(nos.)
- 15716 v. 1. Natality. 1967. [249] p. 4° * Cloth, \$2.75
L.C. card 40-26272
- 15717 v. 2. Mortality, pt. B. 1967. [4]+564+17 p. 4° * Cloth, \$4.50.
L.C. card 40-26272

PUBLIC ROADS BUREAU, Transportation Dept. Washington, D.C. 20591

- 15718 Guidelines for trip generation analysis [with lists of references]; prepared by Urban Development Branch, Urban Planning Division, Office of Planning. June 1967. xii+118 p. il. 4° * Paper, 65c. ● Item 265-A TD 2.108: T 73

RAILROAD RETIREMENT BOARD Chicago, Ill. 60611

- 15719 Railroad retirement act and Railroad unemployment insurance act, as amended through Oct. 30, 1966. 1967. v+121 p. * Paper, 35c. ● Item 860 RR 1.5: R 31/966
L.C. card 45-35547

RECLAMATION BUREAU, Interior Dept. Washington, D.C. 20240

- 15720 Publications available for sale. July 1967. cover title, [3]+24 p. (Office of Chief Engineer, Denver Federal Center, Denver, Colo.) [Semiannual.] † I 27.10/2: 967/2

GOVERNMENT PUBLICATIONS

RENEGOTIATION BOARD Washington, D.C. 20446

- 15721 Index to Renegotiation rulings and Renegotiation bulletins; [June 1, 1967]. [1967.] 5 p. 4° [Issued with perforations.] * Paper, 5c. ● Item 308
RnB 1.6/5: ind.
- Renegotiation bulletins. [Issued with perforations.] ● Item 308
RnB 1.6/3: (nos.)
- 15722 11. Cost allowances and disallowances. Revised [June 6, 1967]. [1967.] 2 p. 4°
* Paper, \$2.25 per 100; single copy 5c.
- 15723 18. Treatment of short and seconds in segregation of subcontractors' sales in textile industry. Revised [June 13, 1967]. 1967. 1 p. 4° [Supersedes Renegotiation bulletins 18 and 18A.] * Paper, 5c.
- 15724 Table of citations [sections of Renegotiation act of 1951 and Renegotiation Board regulations cited in or affected by Renegotiation rulings and Renegotiation bulletins; June 1, 1967]. [1967.] 3 p. 4° [Issued with perforations.] * Paper, 5c. ● Item 308
RnB 1.6/5: tab.cit.

RENEWAL ASSISTANCE ADMINISTRATION, Housing and Urban Development Dept., Washington, D.C. 20410

NOTE.—The Renewal Assistance Administration has been established in the Department of Housing and Urban Development for the conduct of slum clearance and urban renewal programs, and loans for rehabilitation. Since these programs were formerly administered by the Urban Renewal Administration, the HH7. class will be used for the new Administration.

- 15725 Urban renewal directory. Dec. 31, 1966. May 1967. cover title, 106 p. 4° (SOR 7-2; [Program Control and Statistics Branch.]) [Semiannual Illustration on p. 1 of cover.] †
HH 7.8/2: 966/3
- 15726 Urban renewal project characteristics, June 30, 1967. [May 1967.] cover title, 63 p. 4° ([SOR-31; Program Control and Statistics Branch.]) [Illustration on p. 1 of cover.] †
L.C. card 56-63831
HH 7.8: 966

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

- 15727 Work of Securities and Exchange Commission; May 1967. [1967.] ix+25 p. il. † ● Item 904
L.C. card 64-61176
SE 1.2: Se 26/3/967

SELECTIVE SERVICE SYSTEM Washington, D.C. 20435

- 15728 Taking appeals from selective service classifications. [1967.] [4] p. narrow 8° † ● Item 1075
Y 3.Se 4: 2 Ap 4/967

SMALL BUSINESS ADMINISTRATION Washington, D.C. 20416

- 15729 Association and Industry Management Service for Small Business. [Aug. 1967.] [6] p. il. narrow 8° ([Office of Public Information: OPI-24]) †
● Item 901-B
SBA 1.2: 31/10
- 15730 Machine tool financing. [Aug. 1967.] [6] p. il. narrow 8° (OPI-39.) †
● Item 901-B
SBA 1.2: M 18
- Small business bibliographies. † ● Item 901-K
SBA 1.3: (nos.)
- 15731 44. Job printing shop; by William W. Thompson, jr. Mar. 1967. 6 p. il. 4°
- 15732 48. Furniture retailing; by J. Wade Rice. Apr. 1967. 8 p. 4°
- Starting and managing series.
- 15733 v. 14. Starting and managing a carwash [with lists of publications for further information]; by Myer R. Chidakeh. 1967. vii+76 p. il. * Paper, 35c.
● Item 901-L
L.C. card 67-62441
SBA 1.15: 14

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

SMITHSONIAN INSTITUTION
Washington, D.C. 20560

Publications in salvage archeology; series editor Warren W. Caldwell.

- 15734 5. Pony Creek archeology [with list of literature cited]; by Lionel A. Brown. Lincoln, Nebr., 1967. [1]+v+121 p. il. (River Basin Surveys; Office of Anthropology.) †
L.C. card 67-62446 SI 1.22 : 5
- 15735 Smithsonian Institution, art, aviation and space exploration, history and technology, natural history, zoological park. [1967.] [8] p. il. narrow 8°
† ● Item 910 SI 1.2 : Sm 6/18/967

**SOCIAL SECURITY ADMINISTRATION, Health, Education, and
Welfare Dept., Washington, D.C. 20201**

Actuarial note.

- 15736 38. Analysis of fertility assumptions for OASDI long-range level-cost estimates; by Robert J. Myers and Francisco Bayo. June 1967. [6] p. 4° (Office of Actuary.) †
FS 3.19/2 : 38
- 15737 Data processing in Social Security Administration, nine lectures [with bibliography]; by Joseph L. Fay. [1967.] v+58 p. il. 4° (Office of Research and Statistics.) * Paper, 40c. ● Item 516
L.C. card HEW 67-149 FS 3.10 : F 29
- 15738 Directory of providers of services, title 18, health insurance for the aged: Extended care facilities. Apr. 1967. cover title, [161] p. 4° * Paper, 75c.
● Item 515-A
L.C. card HEW 67-150 FS 3.51/3 : 967

OASI (series).

- 15739 SS1e. Special message about medicare for railroad retirement beneficiaries who receive social security payments. [1967.] [4] p. 4° † ● Item 518-A
FS 3.35 : SS1e
- 15740 Rights and responsibilities of those who receive special payments. [1967.] [1]+15 p. narrow 12° (SSA-1421 (5-67).) † ● Item 516
FS 3.2 : R 44/2/967

SSI-(series). ● Item 523-B

FS 3.52 : (nos.)

- 15741 15. Social security information for crew leaders and farmers. [Apr. 1967.] 8 p. il. oblong 48° [Joint publication of Internal Revenue Service, Treasury Dept., IRS publication 365. Includes agricultural employer's application form for identification number under Federal Insurance contributions act.] †
L.C. card HEW 61-50
- 15742 35b. Social security information for young families. [Apr. 1967.] [1]+15+[1] p. il. * Paper, 10c.

TIB-(series).

- 15743 2. School certification of full-time attendance for social security purposes. July 1967. [2]+10 p. † ● Item 523-C
FS 3.52/2 : 2
- 15744 Your duties as representative payee. [1967.] [1]+13 p. il. narrow 12° (SSA-779 (5-67).) † ● Item 520
FS 3.6 : P 29/967

**SOIL CONSERVATION SERVICE, Agriculture Dept.
Washington, D.C. 20250**

- 15745 National handbook for range and related grazing lands. [1967.] cover title, [84] p. il. 4° [Issued with perforations.] † ● Item 120-A
A 57.6/2 : R 16
- 15746 Soil survey: Comanche County, Okla.; [by Hubert L. Mobley and R. C. Brinlee]. Aug. 1967. cover title, ii+58 p. il. 98 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Oklahoma Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] * Paper, \$4.50. ● Item 102 (Rev. 1957).
L.C. card Agr 67-284 A 57.38 : C 73
- 15747 — Delta-Montrose area, Colo.; [by A. J. Cline and others]. July 1967. cover title, ii+73 p. il. 52 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Colorado Agricultural Experiment Station. Text on p.

♦For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

Page 67

GOVERNMENT PUBLICATIONS

2 of cover. One map is colored.] * Paper, \$2.75. ● Item 102-A (Rev. 1957)
L.C. card Agr 67-286 A 57.38: D 38

15748 Soil survey: Gwinnett County, Ga. (with list of literature cited; by Ray J. Tate). July 1967. cover title, [1]+94 p. il. 64 p. of pl. and maps, 1 tab., map in pocket, 4° [Prepared in cooperation with University of Georgia College of Agriculture Agricultural Experiment Stations. Text on p. 2 of cover. Map in pocket is colored.] * Paper, \$3.75. ● Item 102 (Rev. 1957)
L.C. card Agr 67-310 A 57.38: G 99

15749 — Zuni Mountain area, N. Mex. [with list of literature cited; by John A. Williams]. July 1967. cover title, ii+86 p. il. 30 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Forest Service and New Mexico Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] * Paper, \$2.00. ● Item 102 (Rev. 1957)
L.C. card Agr 67-287 A 57.38: Z 87

15750 Water supply outlook, Federal-State-private cooperative snow surveys; Special snow report for Colorado, prepared by Jack N. Washichek and Donald W. McAndrew. May 15, 1967. 1 p. 4° (Snow Survey Section, Soil Conservation Service [and] Colorado State University.) †
A 57.2: Sn 6/16

SPECIAL REPRESENTATIVE FOR TRADE NEGOTIATIONS, OFFICE OF, Executive Office of the President, Washington, D.C. 20506

15751 General agreement on tariffs and trade, 1964-67 trade conference, Geneva, Switzerland, report on United States negotiations: v. 1, General summary. [1967.] 2 pts. in 1, [4]+xii+184 p. * Paper, 55c. ● Item 857-G-1
L.C. card 67-62212 PrEx 9.2: T 17/v.1/pt.1,2
pt. 1. Concessions by country.
pt. 2. Special multilateral negotiations.

STATE DEPARTMENT Washington, D.C. 20520

15752 Atlantic community, selected bibliography. [1967.] 15 leaves, 4° (Foreign Service Institute, Center for Area and Country Studies.) [Leaf 15 incorrectly numbered 16.] †
S 1.114/3: At 6

Background notes. ([Office of Media Services, Bureau of Public Affairs.]) [Issued with perforations.] ● Item 862-B

15753 Cambodia [with bibliography]. [Revised June 1967.] [1967.] 5 p. il. 4° ([Publication 7747.]) * Paper, 5c.
L.C. card 66-61561 S 1.123: C 14/967

15754 Costa Rica [with bibliography]. [Revised July 1967.] [1967.] 4 p. il. 4° ([Publication 7768.]) * Paper, 5c.
L.C. card 66-61561 S 1.123: 82/967

15755 Finland [with bibliography]. [July 1967.] 7 p. il. 4° ([Publication 8262.]) * Paper, 5c.
L.C. card 65-60213 S 1.123: F 49

15756 Japan [with bibliography]. [Revised July 1967.] [1967.] 12 p. il. 4° ([Publication 7770.]) * Paper, 10c.
L.C. card 66-61561 S 1.123: J 27/967

15757 Nepal [with bibliography]. [Revised June 1967.] [1967.] 5 p. il. 4° ([Publication 7904.]) * Paper, 5c.
L.C. card 66-61561 S 1.123: N 35

15758 Netherlands Antilles [with bibliography]. [July 1967.] 4 p. il. 4° ([Publication 8223.]) * Paper, 5c.
L.C. card 65-60213 S 1.123: N 38/2

15759 Republic of Congo (Brazzaville) [with bibliography]. [Revised July 1967.] [1967.] 4 p. il. 4° ([Publication 7896.]) * Paper, 5c.
L.C. card 66-61561 S 1.123: C 76/2/967

5760 Rwanda [with bibliography]. [Revised July 1967.] [1967.] [4] p. il. 4° ([Publication 7916.]) * Paper, 5c.
L.C. card 66-61561 S 1.123: R 94/967

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

OCTOBER 1967

- 15761 Saudi Arabia. [Revised June 1967.] [1967.] 4 p. il. 4° ([Publication 7835.])
* Paper, 5c.
L.C. card 66-61561 S 1.123: Sa 8/967
- 15762 Singapore [with bibliography]. [June 1967.] 4-[1] p. il. 4° ([Publication 8240.]) * Paper, 5c.
L.C. card 65-60213 S 1.123: S1 6
- 15763 Eastern Europe and USSR, selected functional bibliography. [Aug. 1967.]
40 p. 4° (Foreign Service Institute, Center for Area and Country
Studies.) † S 1.114/3: Eu 7
- 15764 Telephone directory, Department of State, Agency for International De-
velopment, Arms Control and Disarmament Agency. Aug. 1967. cover
title, 168+[8] p. il. 4° [Text on p. 2-4 of cover.] * Paper, 75c.
S 1.21: 967-3
- Treaties and other international acts series. * Paper, \$10.00 a yr. (ap-
proximately 150 issues), \$6.00 additional for foreign mailing; single
copies vary in price. ● Item 899 S 9.10: (nos.)
- 15765 6168. Agricultural commodities, sales under title 4, agreement between United
States and Ecuador, amending agreement of June 25, 1965, effected by
exchange of notes signed Quito Oct. 24, 1966; [entered into force Oct.
24, 1966]. [1967.] [2]+4 p. [English and Spanish.] * Paper, 5c.
L.C. card 67-62423
- 15766 6237. Trade in cotton textiles, agreement between United States and Portugal,
effected by exchange of notes signed Lisbon Mar. 23, 1967; [entered
into force Mar. 23, 1967, effective Jan. 1, 1967. [1967.] [2]+14 p.
* Paper, 10c.
L.C. card 67-62233
- 15767 6239. Marriage, documentary requirements for United States citizens in Italy,
agreement between United States and Italy, effected by exchange of notes
signed Rome July 29 and Aug. 18, 1964; [entered into force Mar. 26,
1966]. [1967.] [2]+4 p. [English and Italian.] * Paper, 5c.
L.C. card 67-62326
- 15768 6253. Technical cooperation, agreement between United States and Afghanistan,
extending agreement of June 30, 1953, as extended, effected by ex-
change of notes signed Kabul Dec. 26, 1966, and Apr. 16 and 29, 1967
[entered into force Apr. 29, 1967; effective Dec. 31, 1966. [1967.] [2]+
4 p. [English and Afghan.] * Paper, 5c.
L.C. card 67-62234
- 15769 6254. Canada pension plan, agreement between United States and Canada, signed
Ottawa, May 5, 1967; [entered into force May 5, 1967; effective Jan. 1,
1967. [1967.] [2]+7 p. [English and French.] * Paper, 10c.
L.C. card 67-62327
- 15770 6255. Education, educational foundation and financing of exchange programs,
agreement between United States and Australia, amending agreement of
Aug. 28, 1964, effected by exchange of notes dated Canberra May 12, 1967;
[entered into force May 12, 1967. [1967.] [2]+3 p. * Paper, 5c.
L.C. card 67-62328
- 15771 6257. Extension of loan of vessel, agreement between United States and New
Zealand, effected by exchange of notes dated Washington Dec. 15, 1966,
and May 5, 1967; [entered into force May 5, 1967. [1967.] [2]+2 p.
* Paper, 5c.
L.C. card 67-62236
- 15772 6258. Agricultural commodities, agreement between United States and Pakistan,
signed Islamabad May 11, 1967; [entered into force May 11, 1967].
[1967.] [2]+13 p. * Paper, 10c.
L.C. card 67-62237
- 15773 6259. Alien amateur radio operators, agreement between United States and
Honduras, effected by exchange of notes signed Tegucigalpa Dec. 29,
1966, and Jan. 24 and Apr. 17, 1967; [entered into force Apr. 17, 1967.]
[1967.] [2]+6 p. [Spanish and English.] * Paper, 5c.
L.C. card 67-62329
- 15774 6261. Alien amateur radio operators, agreement between United States and
Trinidad and Tobago, effected by exchange of notes signed St. Ann's and
Port of Spain Jan. 14, and Mar. 16, 1967; [entered into force Mar. 16,
1967. [1967.] [2]+3 p. * Paper, 5c.
L.C. card 67-62330
- 15775 6262. Income tax administration, agreement between United States and Viet-
Nam, effected by exchange of notes signed Saigon Mar. 31 and May 3,
1967; [entered into force May 3, 1967. [1967.] [2]+6 p. * Paper, 5c.
L.C. card 67-62238
- 15776 6264. Alien amateur radio operators, agreement between United States and
Switzerland, effected by exchange of notes signed Bern Jan. 12 and
May 16, 1967; [entered into force May 16, 1967. [1967.] [2]+4 p.
[English and French.] * Paper, 5c.
L.C. card 67-62331
- 15777 6265. Trade in cotton textiles, agreement between United States and Mexico,
effected by exchange of notes signed Washington June 2, 1967; [entered
into force June 2, 1967, effective May 1, 1967. [1967.] [2]+12 p.
[English and Spanish.] * Paper, 10c.
L.C. card 67-62239

❖For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 69

GOVERNMENT PUBLICATIONS

Treaties and other international acts series—Continued

- 15778 6266. Mutual defense assistance, cash contribution by Japan, arrangement between United States and Japan relating to agreement of Mar. 8, 1954, effected by exchange of notes signed Tokyo June 2, 1967; [entered into force June 2, 1967]. [1967.] [2]+5 p. [Japanese and English.] * Paper, 5c.
L.C. card 67-62240
- 15779 6267. Telecommunication convention, with annexes, and final protocol between United States and other governments, signed Montreux Nov. 12, 1965, signed on behalf of United States, subject to certain declarations, Nov. 12 1967 [proclaimed by President of United States June 20, 1967; entered into force with respect to United States May 29, 1967] and additional protocols 1-4. [1967.] [2]+626 p. [English, French, Spanish, and Chinese.] * Paper, \$2.00.
- 15780 6268. Telecommunication, pre-sunrise operation of certain standard (AM) radio broadcasting stations, agreement between United States and Canada, effected by exchange of notes signed Ottawa Mar. 31 and June 12, 1967; [entered into force June 12, 1967]. [1967.] [2]+4 p. 1 pl. [English and French.] * Paper, 15c.
L.C. card 67-62241
- 15781 6269. Air transport services for United States Government aircraft, agreement between United States and Agency for the Safety of Air Navigation in Africa and Madagascar (ASECNA), signed Paris June 22, 1967; [entered into force June 22, 1967], with exchange of letters. [1967.] [2]+7 p. [English and French.] * Paper, 10c.
L.C. card 67-62333
- 15782 6270. Air transport services, agreement between United States and Panama, amending agreement of Mar. 31, 1949, as amended, effected by exchange of notes signed Panama June 5, 1967; [entered into force June 5, 1967]. [1967.] [2]+7 p. [Spanish and English.] * Paper, 10c.
L.C. card 67-62242
- 15783 6271. Agricultural commodities, agreement between United States and Viet-Nam, signed Saigon Mar. 13, 1967; [entered into force Mar. 13, 1967]. [1967.] [2]+9 p. * Paper, 10c.
L.C. card 67-62243
- 15784 6273. Alien amateur radio operators, agreement between United States and Norway, effected by exchange of notes signed Oslo May 27 and June 1, 1967; [entered into force June 1, 1967]. [1967.] [2]+3 p. * Paper, 5c.
L.C. card 67-62244
- 15785 6275. Trade in cotton textiles, agreement between United States and Malta, effected by exchange of notes dated Valletta June 14, 1967; [entered into force June 14, 1967, effective Jan. 1, 1967]. [1967.] [2]+10 p. * Paper, 10c.
L.C. card 67-62424
- 15786 6276. Trade in cotton textiles, agreement between United States and Turkey, amending agreement of July 17, 1964, effected by exchange of notes signed Washington June 30, 1967; [entered into force June 30, 1967]. [1967.] [2]+2 p. * Paper, 5c.
L.C. card 67-62334
- 15787 6277. Peace Corps, agreement between United States and Guyana, effected by exchange of notes signed Georgetown May 31 and June 7, 1967; [entered into force June 7, 1967]. [1967.] [2]+3 p. * Paper, 5c.
L.C. card 67-62342
- 15788 6278. Loan of vessel, agreement between United States and Brazil, effected by exchange of notes signed Washington June 15 and 28, 1967; [entered into force June 28, 1967]. [1967.] [2]+4 p. [English and Portuguese.] * Paper, 5c.
L.C. card 67-62335
- 15789 6279. Diplomatic courier visas, agreement between United States and Romania, amending agreement of Apr. 20 and May 14 and 26, 1962, effected by exchange of notes dated Bucharest May 31 and June 17, 1967; [entered into force June 19, 1967]. [1967.] [2]+2 p. [English and Rumanian.] * Paper, 5c.
L.C. card 67-62245
- 15790 6282. Loan of vessel, agreement between United States and Republic of China, effected by exchange of notes signed Taipei Mar. 14 and Apr. 1, 1967; [entered into force Apr. 1, 1967]. [1967.] [2]+6 p. [English and Chinese.] * Paper, 5c.
L.C. card 67-62336
- 15791 6283. Extension of loan of vessels, grant of vessel, agreement between United States and Republic of China, effected by exchanges of notes signed Taipei Jan. 16 and Mar. 6, 1967; [entered into force Mar. 6, 1967]. [1967.] [2]+8 p. [English and Chinese.] * Paper, 10c.
L.C. card 67-62426
- 15792 6284. Safety of life at sea, proces-verbal of rectification to certain annexes to convention of June 17, 1960, between United States and other governments, done London Feb. 15, 1966. [1967.] [2]+10 p. [English and French.] * Paper, 10c.
L.C. card 67-62337
- 15793 6286. Agricultural commodities, agreement between United States and Pakistan, amending agreement of May 26, 1966, as amended, effected by exchange of notes signed Rawalpindi and Islamabad June 28, 1967; [entered into force June 28, 1967]. [1967.] [2]+2 p. * Paper, 5.
L.C. card 67-62338

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15794 6287. Fisheries, certain fisheries off United States coast [and] salmon fisheries, agreements between United States and Japan, effected by exchanges of notes signed Tokyo May 9, 1967; [entered into force May 9, 1967], with Japanese note and agreed minutes. [1967.] [2]+24 p. [Japanese and English.] * Paper, 15c.
L.C. card 67-62425
- 15795 6288. Maritime matters, visit of N.S. Savannah to Hong Kong, agreement between United States and United Kingdom of Great Britain and Northern Ireland, modifying agreement of June 19, 1964, effected by exchange of notes signed London June 12, 1967; [entered into force June 12, 1967]. [1967.] [2]+4 p. * Paper, 5c.
L.C. card 67-62339
- 15796 6289. International trade in cotton textiles, protocol between United States and other governments, extending long-term arrangements of Feb. 9, 1962, done Geneva May 1, 1967; [entered into force Oct. 1, 1967]. [1967.] [2]+4 p. [English and French.] * Paper, 5c.
L.C. card 67-62340
- 15797 6291. Trade in cotton textiles, agreement between United States and Pakistan, effected by exchange of notes signed Washington July 3, 1967; [entered into force July 3, 1967, effective July 1, 1966]. [1967.] [2]+15 p. * Paper, 10c.
L.C. card 67-62427
- 15798 6292. Loan of vessel, agreement between United States and Brazil, effected by exchange of notes signed Washington June 23 and 28, 1967; [entered into force June 28, 1967]. [1967.] [2]+5 p. [English and Portuguese.] * Paper, 5c.
L.C. card 67-62341
- 15799 6303. Maritime matters, liability during private operation of N.S. Savannah, agreement between United States and Republic of China, effected by exchange of notes, dated Taipei Mar. 24, and June 8, 1967; [entered into force June 8, 1967]. [1967.] [2]+6 p. [English and Chinese.] * Paper, 5c.
L.C. card 67-62428
- 15800 6310. Maritime matters, deployment of USS Yellowstone to Malta, agreement between United States and Malta, effected by exchange of notes, signed Valletta July 6 and 25, 1967; [entered into force July 25, 1967]. [1967.] [2]+5 p. * Paper, 5c.
L.C. card 67-62429
- 15801 6312. Atomic energy, cooperation for civil uses, agreement between United States and South Africa, amending agreement of July 8, 1957, as amended, signed Washington July 17, 1967; [entered into force Aug. 17, 1967]. [1967.] [2]+7 p. * Paper, 10c.
L.C. card 67-62430
- 15802 6317. Trade, staging of tariff concessions, agreement between United States and Japan, amending interim agreement of Sept. 6, 1966, effected by exchange of notes, signed Geneva June 30, 1967; [entered into force June 30, 1967]. [1967.] [2]+2 p. * Paper, 5c.
L.C. card 67-62431
- 15803 6318. Trade, staging of tariff concessions, agreement between United States and United Kingdom of Great Britain and Northern Ireland, amending interim agreement of Apr. 5, 1966, effected by exchange of notes signed Geneva June 30, 1967; [entered into force June 30, 1967]. [1967.] [2]+2 p. * Paper, 5c.
L.C. card 67-62432
- 15804 6319. Agricultural commodities, agreement between United States and Viet-Nam, amending agreement of Mar. 13, 1967, effected by exchange of notes signed Saigon July 26, 1967; [entered into force July 26, 1967]. [1967.] [2]+2 p. * Paper, 5c.
L.C. card 67-62433
- 15805 Viet-Nam, selected bibliography. [July 1967.] 16 p. 4° (Foreign Service Institute, Center for Area and Country Studies.) † S 1.114/3: V 67

STATISTICAL REPORTING SERVICE, Agriculture Dept.
Washington, D.C. 20250

- 15806 Milk production. Aug. 11, 1967. 7 p. H. 4° (Da 1-1 (8-67); Crop Reporting Board.) [Special in this issue June milk cow numbers.] †
A 92.10: 967/8

TARIFF COMMISSION
Washington, D.C. 20436

- 15807 Synthetic organic chemicals, United States production and sales of rubber processing chemicals, 1966, preliminary. Aug. 1967. cover title, 9 p. 4° †
TC 1.33/2: R 82
- 15808 Wilton, Brussels, velvet, and tapestry carpets and rugs, report to the President on investigation no. TEA-I-EX-2 under sec. 351-(d) (3) of Trade

GOVERNMENT PUBLICATIONS

expansion act of 1962. Sept. 1967. cover title, [2]+36 leaves, 4° (TC publication 213; [TC28827].) †
L.C. card 62-60302 TC 1.2: C 22/2

TRANSPORTATION AND COMMUNICATIONS SERVICE, General Services Administration, Washington, D.C. 20405

- 15809 Guide for Government motor vehicle fleet management. July 1967. cover title, v+62 p. il. 4° (FPMR 101-38; Motor Equipment Management Division.) † ● Item 580-A GS 8.6/2: M 85/2

TREASURY DEPARTMENT Washington, D.C. 20220

- 15810 Democracy, a continuous living process. remarks by True Davis, Assistant Secretary of Treasury and United States Executive Director of Inter-American Development Bank before Veterans of Foreign Wars of United States on accepting 1967 Americanism award of V.F.W., New Orleans, La., Aug. 23, 1967. 1967. 5 p. 4° (F-1005.) † T 1.31: D 29/8

Department circular.

- 15811 570. Companies holding certificates of authority as acceptable sureties on Federal bonds and as acceptable reinsuring companies. 1967 revision. June 1, 1967. 7 p. 4° (Fiscal Service, Bureau of Accounts.) † ● Item 924 T 1.4/2: 570/21

Department circular, public debt series.

- 15812 7-67. United States of America 5½ percent treasury notes of series D-1968, dated and bearing interest from Aug. 15, 1967, due Nov. 15, 1968. July 27, 1967. 3 p. 4° † ● Item 924 T 1.4/3: 7-67

UNITED STATES TRAVEL SERVICE, Commerce Dept. Washington, D.C. 20230

- 15813 Orientações E.U.A., entrada, compras, viagens, gorjetas, acomodações, alimentação, diversões, museus. [1967.] 40 p. il. 4°. folded into narrow 8° size. ([U.S.T.S.-102-P.]) † C 47.2: D 62/Portuguese
- 15814 Wegweiser für Amerika-reisende, ankunft, einkauf, unterwegs, trinkgelder, übernachtung, essen, unterhaltung, museen. [1967.] 40 p. il. 4°, folded into narrow 8° size. ([U.S.T.S.-102-G.]) † C 47.2: D 62/German

VETERANS ADMINISTRATION Washington, D.C. 20420

VA pamphlets. ● Item 988

VA 1.19: (nos.)

- 15815 05-27. These are yours! salary, life insurance, opportunity for promotion, cash for ideas, retirement benefits, financial protection against sickness, accident, unemployment, vacations and holidays with pay. Revised July 1966. [1967.] 22 p. il. (Office of Assistant, Administrator for Personnel.) * Paper, 15c.
- 15816 10-63. Corrective therapists in Veterans Administration hospitals and clinics, nationwide. Revised May 1967. [1967.] [4] p. il. 4° ([Department of Medicine and Surgery.]) †
- 15817 10-95. Medico-moral ethics for hospital ministry [papers, with bibliographies]. 1967. cover title, ii+41 p. (VA Chaplain Workshops 1967.) * Paper, 20c. L.C. card 67-62468

- 15818 Veterans Administration Center, Dayton, Ohio, residency training in internal medicine. [1967.] cover title, 12 p. il. 4° † ● Item 985

VA 1.2: R 31/3

WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS, Labor Dept., Washington, D.C. 20210

Regulations, title 29, of Code of Federal regulations.

- 15819 530. Employment of homeworkers in certain industries as used in sec. 11(d) of Fair labor standards act of 1938, as amended. [Reprint 1967.] ii+4 p. 4° (WHPC publication 1026.) [Text of code up to and including July 20, 1967.] † ● Item 780 L 22.9: 530/2

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

OCTOBER 1967

WOMEN'S BUREAU, Labor Dept.
Washington, D.C. 20210

- 15820 Preliminary report of consultation on working women and day care needs, held June 1, 1967, Washington, D.C., convened by Women's Bureau, Department of Labor, Children's Bureau, Welfare Administration, Department of Health, Education, and Welfare, [and] Directions Seminar. [Aug. 1967.] cover title, [3]+28 p. 4° ([WB-68-18.]) †
L 13.2: W 84/46/prelim.

YARDS AND DOCKS BUREAU (Navy), Defense Dept.

NOTE.—The Bureau of Yards and Docks was abolished and its functions transferred to the Naval Facilities Engineering Command effective May 1, 1966.

MONTHLY CATALOG



**OF UNITED STATES
GOVERNMENT PUBLICATIONS**

NOVEMBER 1967

Number 874

Entries 15821-17298

Issued by the SUPERINTENDENT OF DOCUMENTS

U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, DC 20402 : 1967

L.C. Card 4-18088

FOR SALE BY THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT
PRINTING OFFICE, WASHINGTON, DC 20402. PRICE 50 CENTS PER COPY
EXCEPT DECEMBER (INDEX) ISSUE, WHICH VARIES IN PRICE
SUBSCRIPTION PRICE \$6.00 PER YEAR (INCLUDING INDEX)
\$1.50 ADDITIONAL FOR FOREIGN MAILING

New Classification Numbers

A 13.62/11-3: date-----	Forest Service. Pacific Southwest Forest and Range Experiment Station: List of available publications.
A 96.10: nos-----	Packers and Stockyards Administration. P&SA (series).
C 3.134/a: CT-----	Census Bureau. Statistical abstract of United States (separates).
C 3.240/2: nos-----	Data access descriptions: Automated address coding guide and data retrieval series AAC.
C 46.26: date-----	Economic Development Administration. Research review.
C 52.21: nos-----	Environmental Science Services Administration. WB/BC (series).
D 206.10/2: Reserved	Medicine and Surgery Bureau (Navy).
D 206.10/3: nos-----	U.S. Naval Submarine Medical Center: Special reports.
D 301.73: v.nos.& nos-----	Air Force Department. Air Force Comptroller (quarterly). Public Health Service.
FS 2.3/2: Reserved	
FS 2.3/3: nos-----	Technical information bulletins.
FS 2.22/50-3: date-----	National Clearinghouse for Mental Health Information: Occupational mental health notes.
FS 2.309: date-----	Health consequences of smoking, Public Health Service review.
FS 2.310: nos-----	Workshop series of Pharmacology Section, N.I.M.H.
FS 3.28/4: nos-----	Social Security Administration. Health insurance statistics, CMS (series).
FS 5.82: date-----	Education Office. Report on cooperative research to improve the Nation's schools (annual).
FS 17.103:--108: Reserved	Rehabilitation Services Administration.
FS 17.109: v.nos.& nos-----	Rehabilitation record. NOTE.—See, for earlier class, FS 13.216:(v. nos. & nos.).
FS 17.210: nos-----	Children's Bureau. Publications (numbered). NOTE.—See, for earlier class, FS 14.111:(nos.).
GA 1.16: CT-----	General Accounting Office. Bibliographies and lists of publications.
I 28.114: CT-----	Mines Bureau. Laws.
L 1.56: Reserved	Labor Department.
L 1.57: nos-----	Department of Labor program reports.
L 2.71/3: nos-----	Labor Statistics Bureau. NE regional reports.

Labor Standards Bureau.

L 16.51/8: Reserved

L 16.51/9: nos.----- Off the job safety, Department of Labor safety programs OJS LS (series).
Work Programs Bureau.

L 32.3: -8: Reserved

L 32.9: CT----- Addresses.

NAS 1.36: date-----

National Aeronautics and Space Administration.
NASA BITS [brief ideas, thoughts, suggestions] (semiannual).

PrEx 1.10/7: date-----

President of United States.
President's Committee on Employment of the Handicapped: Program guide.
NOTE.—See, for earlier class, L 16.44/2: P 94/ (date).

PrEx 10.21: date-----

Economic Opportunity Office.

VISTA fact book.

T 22.25/3: trans. nos.-----

Internal Revenue Service.
Internal revenue bulletin index-digest quarterly system: Service 1, Tax matters other than alcohol, tobacco, and firearms.

TD 1.112: CT-----

National Transportation Safety Board.

Aircraft accident reports.

NOTE.—See, for earlier class, C 31.213: (CT).

TD 2.301: date-----

Motor Carrier Safety Bureau.

Annual report.

NOTE.—See, for earlier class, IC 1 mot. 1: (date).

TD 2.302: CT-----

General publications.

NOTE.—See, for earlier class, IC 1 mot. 2: (CT).

TD 2.303: -308: Reserved

TD 2.309: nos.-----

Motor carrier accident investigation reports.

NOTE.—See, for earlier class, IC 1 mot. 18: (nos.)

TD 2.310: date-----

Accidents of large motor carriers of property.

NOTE.—See, for earlier class IC 1 mot. 2: Ac 2/6/ (date).

TD 4.10/2: date-----

Federal Aviation Administration.

Summary of airworthiness directives for small aircraft.

NOTE.—See, for earlier class, FAA 1.28/2: (date).

TD 4.14: date-----

Airport activity statistics of certificated route air carriers (semiannual).

NOTE.—See, for earlier class, C 31.251: (date).

TD 4.18: date-----

Census of U.S. civil aircraft (annual).

NOTE.—See, for earlier class, FAA 1.35/2: (date).

TD 4.19: date-----

FAA air traffic activity.

NOTE.—See, for earlier class, FAA 1.27: (date).

TD 5.15: date-----

Coast Guard.

Cadet profiles.

NOTE.—See, for earlier class, T 47.2: C 11/ (date).

TD 6.1: date-----

St. Lawrence Seaway Development Corporation.

Annual report.

NOTE.—See, for earlier class, Y 3.Sa 2: 1/ (date).

TD 6.2: CT-----

General publications.

NOTE.—See, for earlier class, Y 3.Sa 2: 2 (CT).

VA 1.48: nos.-----

Veterans Administration.

VA monographs.

VA 1.48/2: nos.-----

Research monographs.

Y 3.C 63/2: 1/date-----

Coastal Plains Regional Commission.

Annual report.

Y 3.C 63/2: 2 CT-----

General publications.

Y 3.C 63/2: 3-8 Reserved

Y 3.C 63/2: 9 CT-----

Addresses.

Y 3.T 25: 35/date-----

Tennessee Valley Authority.

Engineering Laboratory research (annual).

Y 3.Up 6: 1/date-----

Upper Great Lakes Regional Commission.

Annual report.

Y 3.Up 6: 2 CT-----

General publications.

Corrections for Previous Monthly Catalogs

- Sept. 1966. Entry 12721, Current industrial reports: Plumbing fixtures, summary for 1965. Correct class to read C 3.158: M 34E (65)-5.
- Mar. 1967. Entry 4668, 330-175-1, Defense communications system engineering-installation standards manual, change 5. Correct class to read D 5.104: 330-175-1/ch.5.
- May 1967. Entry 7925, 18. Correlation of littoral transport with wave energy along shores of New York and New Jersey. The series should be corrected to read Technical memorandum.
- July 1967. Entry 10954, 18. [Correlation of littoral transport with wave energy along shores of New York and New Jersey], Nov. 1966, errata. The series should be corrected to read Technical memorandum.
- Sept. 1967. Entry 14550, Lincoln Memorial. Change class to read I 29.21: L 63/967.

Classified List of Government Authors

	Beginning Entry
Administrative Office of United States Courts.....	15821
Advisory Commission on Intergovernmental Relations.....	15822
Agricultural Department.....	15834
Agricultural Research Service.....	15824
Agricultural Stabilization and Conservation Service.....	15833
Commodity Exchange Authority.....	16112
Consumer and Marketing Service.....	16441
Economic Research Service.....	16485
Farmer Cooperative Service.....	16545
Federal Extension Service.....	16568
Foreign Agricultural Service.....	16641
Forest Service.....	16644
National Agricultural Library.....	17025
Packers and Stockyard Administration.....	17103
Rural Electrification Administration.....	17187
Soil Conservation Service.....	17205
Statistical Reporting Service.....	17250
Arms Control and Disarmament Agency.....	15924
Atomic Energy Commission.....	15957
Civil Aeronautics Board.....	16045
Civil Rights Commission.....	16061
Civil Service Commission.....	16062
Coastal Plains Regional Commission.....	16090
Commerce Department.....	16091
Business and Defense Services Administration.....	15983
Census Bureau.....	15987
Economic Development Administration.....	16477
Environmental Science Services Administration.....	16530
Coast and Geodetic Survey.....	16084
Weather Bureau.....	17293
Maritime Administration.....	16843
National Bureau of Standards.....	17031
Patent Office.....	17104
United States Travel Service.....	17275
Congress.....	16113
Economic Joint Committee.....	16146
House of Representatives.....	16150
Agriculture Committee.....	16301
Appropriations Committee.....	16304
Armed Services Committee.....	16306
Banking and Currency Committee.....	16314
District of Columbia Committee.....	16318
Education and Labor Committee.....	16321
Foreign Affairs Committee.....	16326
Government Operations Committee.....	16327

Congress—Continued

	Beginning Entry
House of Representatives—Continued	
Judiciary Committee.....	16332
Merchant Marine and Fisheries Committee.....	16335
Post Office and Civil Service Committee.....	16338
Public Works Committee.....	16340
Science and Astronautics Committee.....	16342
Veterans' Affairs Committee.....	16344
Ways and Means Committee.....	16346
Senate	16347
Agriculture and Forestry Committee.....	16387
Appropriations Committee.....	16388
Armed Services Committee.....	16394
Banking and Currency Committee.....	16396
Commerce Committee.....	16398
District of Columbia Committee.....	16405
Finance Committee.....	16408
Foreign Relations Committee.....	16410
Government Operations Committee.....	16411
Interior and Insular Affairs Committee.....	16417
Judiciary Committee.....	16419
Labor and Public Welfare Committee.....	16426
Post Office and Civil Service Committee.....	16429
Public Works Committee.....	16433
Small Business, Select Committee on.....	16436
Court of Claims.....	16453
Customs Court.....	16454
Defense Department.....	16456
Air Force Department.....	15878
Armed Forces Information and Education.....	15905
Army Department.....	15927
Army Medical Service.....	15956
Civil Defense Office.....	16050
Engineers Corps.....	16518
Lake Survey.....	16833
Joint Chiefs of Staff.....	16730
Defense Communications Agency.....	16455
Navy Department.....	17098
Marine Corps.....	16839
Medicine and Surgery Bureau.....	16845
Naval Air Systems Command.....	17062
Naval Facilities Engineering Command.....	17063
Naval Operations Office.....	
Naval Oceanographic Office.....	17069
Naval Personnel Bureau.....	17078
Naval Academy.....	17061
Naval Research Office.....	17082
Farm Credit Administration.....	16544
Federal Communications Commission.....	16564
Federal Deposit Insurance Corporation.....	16567
Federal Home Loan Bank Board.....	16571
Federal Maritime Commission.....	16576
Federal Power Commission.....	16580
Federal Reserve System Board of Governors.....	16588

	Beginning Entry
General Accounting Office.....	16667
General Services Administration.....	16679
Federal Supply Service.....	16600
National Archives and Records Service.....	17027
Federal Register Office.....	16586
Government Printing Office.....	
Public Documents Division.....	17130
Health, Education, and Welfare Department.....	16706
Education Office.....	16497
Food and Drug Administration.....	16639
Public Health Service.....	17137
National Library of Medicine.....	17045
Social and Rehabilitation Service.....	17196
Children's Bureau.....	16042
Family Services Bureau.....	16540
Rehabilitation Services Administration.....	17182
Social Security Administration.....	17197
Housing and Urban Development Department.....	16707
Federal Housing Administration.....	16575
Interior Department.....	16717
Bonneville Power Administration.....	15982
Federal Water Pollution Control Administration.....	16609
Fish and Wildlife Service.....	16610
Geological Survey.....	16680
Minerals Exploration Office.....	16847
Mines Bureau.....	16848
National Park Service.....	17052
Oil and Gas Office.....	17101
Outdoor Recreation Bureau.....	17102
Reclamation Bureau.....	17178
Interstate Commerce Commission.....	16726
Joint Publications Research Service.....	16732-1
Justice Department.....	16788
Prisons Bureau.....	17128
Labor Department.....	16791
Employees' Compensation Bureau.....	16514
Labor Standards Bureau.....	16797
Labor Statistics Bureau.....	16812
Manpower Administration.....	
Employment Security Bureau.....	16515
Work Programs Bureau.....	17297
Veterans Reemployment Rights Office.....	17288
Wage and Hour and Public Contracts Divisions.....	17289
Women's Bureau.....	17295
Library of Congress.....	16837
Copyright Office.....	16451
Missouri Basin Inter-Agency Committee.....	16868
National Academy of Sciences.....	16876
National Aeronautics and Space Administration.....	16877
National Labor Relations Board.....	17043
National Railroad Adjustment Board.....	17055
National Science Foundation.....	17057
Post Office Department.....	17109

	Beginning Entry
President of United States.....	17121
Executive Office of the President	
Economic Opportunity Office.....	16481
Selective Service System.....	17192
Small Business Administration.....	17194
Smithsonian Institution	
National Museum.....	17046
State Department.....	17210
International Development Agency.....	16725
Tariff Commission.....	17252
Tax Court.....	17259
Tennessee Valley Authority.....	17260
Transportation Department.....	17264
Coast Guard.....	16088
Federal Aviation Administration.....	16547
Air Traffic Service.....	15903
Airports Service.....	15904
Aviation Medicine Office.....	15979
Flight Standards Service.....	16638
Federal Highway Administration	
Motor Carrier Safety Bureau.....	16871
Public Roads Bureau.....	17175
National Transportation Safety Board.....	17059
St. Lawrence Seaway Development Corporation.....	17191
Treasury Department.....	17265
Internal Revenue Service.....	16719
United States Information Agency.....	17274
Upper Great Lakes Regional Commission.....	17281
Veterans Administration.....	17282
Water Resources Council.....	17292

Monthly Catalog

NO. 874 • NOVEMBER 1967

ADMINISTRATIVE OFFICE OF UNITED STATES COURTS Washington, D.C. 20543

- 15821 Persons under supervision of Federal probation system, fiscal year 1968; [prepared by James A. McCafferty]. [1967.] [1]+xvi+129 p. 7 pl. 4° †
L.C. card 64-62120 Ju 10.2: P 94/966

ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS Washington, D.C. 20575

- 15822 1968 State legislative program on Advisory Commission on Intergovernmental Relations. Sept. 1967. viii+629 p. (M-35.) [Edge index and how to use on p. 4 of cover.] † • Item 1049-D Y 3.Ad 9/8: 2L 52/968
L.C. card 65-60443
15823 State-local taxation and industrial location. Apr. 1967. x+114 p. 4° (Commission report A-30.) * Paper, 60c. • Item 1049-D
L.C. card 67-62570 Y 3.Ad 9/8: 2T 19/13

AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

ARS (series). † A 77.15:(nos.)

- 15824 42-133. Gin trash collection efficiency of small-diameter cyclones; [by] Roy V. Baker and V. L. Stedronsky. July 1967. 16 p. il. 4°
L.C. card Ar. 67-304
15825 51-13. Temperatures, relative humidity, and atmosphere composition in mechanically refrigerated car and trailer loaded with lettuce; [by] Joseph K. Stewart and John M. Harvey]. July 1967. [2]+8 p. il. 4° ([Market Quality Research Division.])
15826 62-16. Food consumption of households in United States, spring 1965, preliminary report; [by] Consumer and Food Economics Research Division]. Aug. 1967. 28 p. 4° • Item 25-B
15827 91-64. Facts about screwworm barrier program. Sept 1967. 15 p. il. 4° ([Animal Health Division.]) [Supersedes ARS 91-39, Facts about screwworm eradication, Jan. 1963.] • Item 25-B
L.C. card Agr 67-333
15828 Plant inventory no. 169, Plant material introduced Jan. 1-Dec. 31, 1961 (nos. 279535-277783) [received by New Crops Research Branch, Crops Research Division; by] Howard L. Hyland. July 1967. 316 p. † • Item 101 A 77.515: 169
15829 Plant quarantine import requirements of Canada. Aug. 9, 1967. 14 p. (Plant quarantine Division.) [Issued with perforations. Supersedes summary Aug. 19, 1960, and TM Mar. 17, 1965. Errata, dated Sept. 13, 1967. 1 p. 4°, issued also.] † A 77.329: C 16
15830 1967 proceedings of National Brucellosis Committee and progress report of cooperative State-Federal brucellosis eradication program. [Sept. 1967.] cover title, ii+58 p. il. 4° [Text on p. 2 of cover.] † • Item 30 A 77.202: B 83/16/967
15831 Publications and patents, Eastern Utilization Research and Development Division, publication nos. 2538-2639, Jan.-June 1967. [July 1967.] 35 p. 4° † A 77.17/4: 967

•For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

Page 1

GOVERNMENT PUBLICATIONS

- 15832 Veterinary Biologies Division notice 5; Biological products produced [and destroyed] in licensed establishments, fiscal year 1967. July 31, 1967. 8 p. 4° (Veterinary Biologies Division.) † A 77.226/3:5

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE, Agriculture Dept., Washington, D.C. 20250

- 15833 ASCS aerial photography status maps, as of June 30, 1967. [1967.] cover title, [128] p. il. 4° (Aerial Photography Division.) [Issued with perforations.] † A 82.2: Ae 8/967

AGRICULTURE DEPARTMENT Washington, D.C. 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

- 15834 Address by Secretary of Agriculture Orville L. Freeman at convention of National League of Cities, Boston, Mass., Aug. 1, 1967. [1967.] 16 p. 4° (2267; USDA 2425-67.) † A 1.40: F 87/294
- 15835 Address by Secretary of Agriculture, Orville L. Freeman before American Institute of Biological Sciences, College Station, Tex., Aug. 30, 1967. 16 p. 4° (2616; USDA 2749-67.) † A 1.40: F 87/298

Agriculture handbooks. ● Item 3 A 1.76:(nos.)

- 15836 323. Vegetable gardening in Caribbean area [with bibliographies]; by Harold F. Winters and George W. Miskimen. Aug. 1967. iv+114 p. il. 4° (Agricultural Research Service.) [Supersedes Circular 32, Vegetable gardening in tropics.] * Paper, 65c. L.C. card Agr 67-355
- 15837 329. Insects affecting sweetpotatoes [with list of literature cited; by F. P. Cuthbert, jr.]. [July 1967.] [3]+28 p. il. 4° (Agricultural Research Service.) [Prepared in cooperation with Clemson University Agricultural Experiment Station.] * Paper, 25c.

Agricultural information bulletins. ● Item 4 A 1.75:(nos.)

- 15838 196. Why and how of rural zoning; [by Erling D. Solberg]. [Revised Aug. 1967.] [1967.] cover title, ii+58 p. il. 4° (Economic Research Service.) [Text on p. 2 of cover.] * Paper, 40c.
- 15839 321. Our American land, use the land, save the soil. [1967.] 30+(1) p. il. 4° (Soil Conservation Service.) * Paper, 20c. L.C. card Agr 67-360
- 15840 322. Science and consumers; [prepared by Information Division, Agricultural Research Service]. [Sept. 1967.] [20] p. il. 4° * Paper, 25c.
- 15841 323. Science and America's beauty; [prepared by Information Division, Agricultural Research Service]. [Sept. 1967.] [2]+12+[2] p. il. 4° †
- 15842 324. Science and saving water and soil; [prepared by Agricultural Research Service]. [Aug. 1967.] [16] p. il. 4° * Paper, 20c.
- 15843 328. Agricultural application of remote sensing, potential from space platforms [with bibliography; by H. Thomas Frey]. [Sept. 1967.] vi+28 p. il. 4° (Economic Research Service.) * Paper, 25c. L.C. card Agr 67-354
- 15844 Anticipating year 2000, address by Assistant Secretary of Agriculture George L. Mehren before American Dietetic Association, Chicago, Ill., Aug. 15, 1967. [1967.] 20 p. 4° (USDA 2590-67.) † A 1.40: M 47/33
- 15845 Background on farm and food prices, Aug. 1967. 8 p. 4° † A 1.2: F 22/15
- 15846 Challenge of land use, address by Secretary of Agriculture, Orville L. Freeman before 22d annual meeting of Soil Conservation Society of America, Des Moines, Iowa, Aug. 14, 1967. [1967.] 15 p. 4° (2362; USDA 2553-67.) † A 1.40: F 87/296

Farmers' bulletins. ● Item 9 A 1.9:(nos.)

- 15847 2099. Control of caterpillars on commercial cabbage and other cole crops in South, cabbage, broccoli, cauliflower, collards, kale; [by W. J. Reid, jr. and F. P. Cuthbert, jr.]. [Revised Sept. 1967.] [1967.] 24 p. il. (Entomology Research Division, Agricultural Research Service.) * Paper, 15c. L.C. card Agr 67-313

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 15848 2193. Grasshopper control; [prepared by Entomology Research Division and Plant Pest Control Division, Agricultural Research Service]. [Revised Sept. 1967.] [1967.] 12 p. il. * Paper, 10c.
- 15849 2227. Fire resistant construction of home, of farm buildings; [by Merrill S. Timmins, jr.]. [Sept. 1967.] [2]+18 p. il. ([Agricultural Engineering Research Division, Agricultural Research Service.]) [Supersedes Farmers' bulletin 2070, Fire-resistant construction on farm.] * Paper, 15c.
L.C. card Agr 67-339

Home and garden bulletins. ● Item 11

A 1.77:(nos.)

- 15850 8. Home canning of fruits and vegetables; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [Revised Feb. 1965, slightly revised Oct. 1967.] [1967.] 32 p. il. [Includes more information, when you preserve food at home, list of other publications of Agricultural Research Service.] * Paper, 15c.
- 15851 55. Potatoes in popular ways. [Oct. 1957, slightly revised Sept. 1967.] [1967.] [2]+22 p. il. ([Human Nutrition Research Division, Agricultural Research Service.]) [Supersedes leaflet 295.] * Paper, 15c.
- 15852 85. Food for young couple; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Nov. 1962, slightly revised Sept. 1967.] [1967.] 16 p. il. [Supersedes leaflet 306, Food for 2.] * Paper, 10c.
- 15853 91. Growing flowering annuals; [by Henry M. Cathey]. [Slightly revised Sept. 1967.] [1967.] 16 p. il. ([Crops Research Division, Agricultural Research Service.]) [Supersedes Farmers' bulletin 1171, Growing annual flowering plants.] * Paper, 10c.
- 15854 123. Lawn weed control with herbicides. [Oct. 1967.] 24 p. il. ([Crops Research Division, Agricultural Research Service.]) [Supersedes Home and garden bulletin 79, Controlling lawn weeds with herbicides.] * Paper, 15c.
L.C. card Agr 67-367
- 15855 140. How to buy instant nonfat dry milk. [Sept. 1967.] [8] p. il. narrow 8° ([Consumer and Marketing Service.]) * Paper, 5c.

Home economics research report.

- 15856 32. Pattern alteration, guide for leaders in clothing programs; [prepared by] Agricultural Research Service. [Nov. 1965, slightly revised Aug. 1967.] [1967.] ii+38 p. il. 4° [Contains information similar to that formerly published in Farmers' bulletin 1968, Pattern alteration.] * Paper, 30c.
● Item 11-B A 1.87:32/2

Leaflet.

- 15857 397. Brooding chicks with infrared lamps; [prepared by John G. Taylor and J. M. Stanley]. [Dec. 1955, slightly revised Oct. 1967.] [1967.] 4 p. il. ([Agricultural Engineering Research Division, Agricultural Research Service.]) * Paper, 5c. ● Item 12 A 1.35:397/4

Marketing bulletin.

- 15858 37. Story of cotton; [by W. H. Fortenberry]. [Sept. 1967.] [24] p. il. oblong 24° ([Consumer and Marketing Service.]) [Supersedes Leaflet 167, Facts about cotton.] * Paper, 25c. ● Item 13-G A 1.95:37
L.C. card Agr 67-353

Marketing research reports. ● Item 13-B

A 1.82:(nos.)

- 15859 789. Use of malathion-treated drying trays to protect raisins from insects during drying and storage [with list of literature cited; by Howard D. Nelson, Garth H. Spitzer, and Albert P. Yerington]. [July 1967.] [2]+14 p. il. 4° ([Agricultural Research Service.]) * Paper, 15c.
L.C. card Agr 67-340
- 15860 793. Comparison of spinning performances of cottons with varying fiber properties, San Joaquin Valley of California, 1964-65 season; [by John H. Turner, Franklin E. Newton, and Paul Whaley]. [Sept. 1967.] [2]+6 p. 4° ([Agricultural Research Service.]) †
L.C. card Agr 67-361
- 15861 794. Comparative study of methods of distributing methyl bromide in flat storages of wheat, gravity-penetration, single-pass, and closed-recirculation; [by C. L. Storey]. [Aug. 1967.] iv+16 p. il. 4° ([Agricultural Research Service.]) * Paper, 15c.
L.C. card Agr 67-344
- 15862 795. Predicting quality of stored soybean oils; [by Lewis A. Baumann]. [Sept. 1967.] [2]+22 p. il. 4° ([Agricultural Research Service.]) * Paper, 20c.
L.C. card Agr 67-345
- 15863 796. Quality and display life of carnation blooms after storage in controlled atmospheres [with list of literature cited; by M. Uota and M. Garaszi]. [Sept. 1967.] [2]+9 p. il. ([Agricultural Research Service.]) * Paper, 10c.
L.C. card Agr 67-352

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 3

GOVERNMENT PUBLICATIONS

Marketing research reports—Continued

- 15864 799. Costs of drying and storing rough rice in Louisiana and Texas [with selected bibliography; by Harlon D. Traylor, Carter Price, and Clyde B. Markeson]. [July 1967.] [1]+vi+43 p. il. 4° (Farmer Cooperative Service.) [Prepared in cooperation with Texas Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness, Louisiana State University, and Agricultural and Mechanical College, Agricultural Experiment Station.] †
L.C. card Agr 67-350

Miscellaneous publication.

- 15865 1060. Swine feeder. June 1967. [2] p. il. 4° (Cooperative farm building plan 5988.) * Paper, 5c. ● Item 13-A A 1.38:1060
- PA [Program aid] (series). ● Item 14-A A 1.68:(nos.)
- 15866 399. Packers and stockyards act, what it is, how it operates. [Slightly revised July 1967.] [1967.] [2]+8 p. il. (Packers and Stockyards Administration.) †
- 15867 526. This is 4-H. [Revised June 1967.] [1967.] 16 p. il. 4° (Federal Extension Service.) [Prepared in cooperation with State Land-Grant Universities.] †
- 15868 545. Timber, story of timber sale on national forest, national forests lands of many uses. [Slightly revised Aug. 1967.] [1967.] cover title, [16] p. il. 4° [Text on p. 3 of cover.] * Paper, 20c.
L.C. card Agr 67-351
- 15869 591. Your livestock claims, Packers and stockyards act can help you recover losses. [Slightly revised Aug. 1967.] [1967.] [2]+6 p. 4° (Packers and Stockyards Administration.) †
- 15870 809. Packers and stockyards act as it applies to auction markets, what it is, provisions, enforcement [with list of publications]. July 1967. [8] p. il. narrow 12° (Packers and Stockyards Administration.) [Supersedes AMS-284.] †
- 15871 812. Closing nutrition gap. Child nutrition act of 1966. [July 1967.] [11] p. il. oblong 48° (Consumer and Marketing Service.) †

Picture story.

- 15872 202. Death of a giant: Dutch elm disease still takes its toll. Oct. 1967. 4 p. il. 4° (Agricultural Research Service.) † A 1.100:202

Production research reports. ● Item 13-C

A 1.84:(nos.)

- 15873 98. Evaluation of cost factors in production and harvesting of potatoes [with list of literature cited; by G. W. French]. [Sept. 1967.] [2]+21 p. il. 4° (Agricultural Research Service.) * Paper, 20c.
L.C. card Agr 67-362
- 15874 99. Economical and efficient heating system for homes: [by Jerry O. Newman]. [2]+26 p. il. 4° (Agricultural Research Service.) * Paper, 20c.
L.C. card Agr 67-363
- 15875 Remarks by John A. Baker, Assistant Secretary, Department of Agriculture, at dedication of rural electric facility serving Puerto-Cito Reservation, Socorro County, N. Mex., Aug. 26, 1967. [1967.] 6 p. 4° (2562; USDA 2681-67.) † A 1.40: B 17/35
- 15876 Remarks by Secretary of Agriculture Orville L. Freeman at Governor's meeting of Utah farm leaders, Salt Lake City, Utah, Aug. 14, 1967. [1967.] 17 p. 4° (2380; USDA 2577-67.) † A 1.40: F 87/297
- 15877 Trustees of posterity, address by Secretary of Agriculture Orville L. Freeman before National Agricultural Youth Institute, Lincoln, Nebr., Aug. 14, 1967. [1967.] 14 p. 4° (2353; USDA 2542-67.) †
A 1.40: F 87/295

AIR FORCE DEPARTMENT, Defense Dept. Washington, D.C. 20330

AFOSR (series). (Air Force Office of Scientific Research, Office of Aerospace Research.)

- 15878 67-0300. AFOSR research, current research program, and summary of research accomplishments [articles, with bibliographies; Dan Taylor, editor]. [1967.] vii+231 p. il. 4° ([Project 61445014.]) † Paper, \$3.00.
● Item 422-B D 301.45/19-2: 67-0300
L.C. card 67-62673
- 15879 Air Force comptroller; [Steve Canton, editor]. (USAF recurring publication 170-2; Office of Comptroller.) [Quarterly.] * Paper, \$1.00 a yr., 25c. additional for foreign mailing; single copy 30c. ● Item 421-C D 301.73:(v.nos.& nos.)

vol. 1, no. 1— Oct. 1967—

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Air Force manual AFM (series).

- 15880 101-3. See Federal Aviation Administration Handbook 6000.6.

Air Force pamphlet AFP (series).

- 15881 71-1-7. See Army Department Field manual FM 38-40.
 15882 190-33. Releasable data on United States Air Force aerospace vehicles. [June 15, 1967.] iv+107 p. il. 4° (Aerospace information handbook, v. 3.)
 [Supersedes AFP 190-2-2, June 1, 1964. Issued with perforations.]
 ‡ ● Item 421-A D 301.35:190-33

Air Weather Service: Technical reports.

D 301.40:(nos.)

- 15883 192. Natural environment of satellite in synchronous circular orbit [with list of references and bibliography]; by Henry W. Brandt. June 1967. cover title, iii+65 p. il. 4° [Issued with perforation.] ‡
 15884 198. Radiosonde dew-point accuracies 40°C to -40°C [with list of references]; by Lloyd V. Mitchell. Aug. 1967. cover title, ii+24 p. il. 4° [Issued in looseleaf form.] ‡Environmental Technical Applications Center, USAF, Bldg. 159, Navy Yard Annex, Washington, D.C. 20333
 15885 Do you measure up to Air Force ROTC? [1967.] 20 p. il. oblong 24° [Illustrations are colored.] ‡ ● Item 424 D 301.2:R 31/4/967

Lunar charts and mosaic [chart of moon] series.

D 301.49/4:(letters-nos.)

NOTE.—This series, which when complete will include LAC 11-13, 23, 26-27, 110-113, 125-127, may be purchased on a subscription basis, \$4.00; \$1.00 additional for foreign mailing.

- 15886 LAC 27. Gemini. Scale 1:1,000,000. 1st edition, July 1967. Aeronautical Chart and Information Center [Aug. 1967]. 22 x 29 in. [Lambert conformal projection. Published for Air Force and National Aeronautics and Space Administration. Clarification of surface features appears on verso.] * Paper, 35c.
 15887 LEM 1A. USAF lunar reference mosaic, lunar earthside hemisphere. Scale 1:10,000,000. 3d edition, July 1967. Aeronautical Chart and Information Center [July 1967]. 17 x 19 in. [Orthographic projection. Mosaic compiled Nov. 1962.] * Paper, 35c.

OAR (series). (Office of Aerospace Research.)

- 15888 67-7. Air Force research resumes, 1966. Office of Aerospace Research [v.6]. [1967.] vii+541+[16] p. 4° (Office of Scientific and Technical Information.) ‡ Paper, \$3.00. D 301.69/3:67-7
 15889 67-0010. See, below, Office of Aerospace Research, monograph 4.

Office of Aerospace Research: Monograph.

- 15890 4. Air Force basic research in high-performance filamentary composites [with list of references]; by John A. Rolston. Sept. 1967. cover title, [1]+10+[2] p. il. 4° (OAR 67-0010.) ‡ Paper, \$3.00. D 301.69/10:4

Personnel Research Laboratory: Technical report PRL-TR (series). (Aerospace Medical Division, Air Force Systems Command, Lackland Air Force Base, Tex.)

D 301.45/27:(nos.)

- 15891 66-16. Officer grade requirements project: 4. Development and validation of policy equation to predict Criterion Board ratings [with list of references]; by Joe T. Hazel, Raymond E. Christal, Ralph S. Hoggatt. Nov. 1966. vi+56+[2] p. 4° ([Project 7734, task 773402.]) ‡
 15892 66-17. Job types of communications officers, DAFSC 3034 [with list of references]; by Llewellyn N. Wiley [and others]. Nov. 1966. cover title, v+37+[2] p. 4° ([Project 7734; task 773404.]) ‡
 15893 67-1. Selecting a harem and other applications of policy-capturing model [with list of references]; by Raymond E. Christal. Mar. 1967. vi+10+[2] p. il. 4° ([Projects 7734, 7719, tasks 773402, 771901.]) ‡

School of Aerospace Medicine: Technical report SAM-TR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.)

D 301.26/13-6:(nos.)

- 15894 65-296. Evaluation of computer solution of exponential decay or washout curves [with list of references]; by Robert G. Rossing. Nov. 1966. cover title, 1907-10+[2] p. il. 4° ([Task 631902.]) [Reprinted from Journal of applied physiology, v. 21, no. 6.]
 15895 66-258. Tissue oxygenation during hemorrhage in dogs breathing 1 and 3 atmospheres of oxygen [with list of references]; by Stephen M. Cain, John M. Connolly. Feb. 1967. cover title, 255-259+[2] p. il. 4° ([Task 775801.]) [Reprinted from Journal of applied physiology, v. 22, no. 2, Feb. 1967.]
 15896 66-269. Immersion diuresis [with list of references]; by Noel C. Hunt, III. Feb. 1967. cover title, [1]+177-180+[2] p. il. 4° ([Task 793003.]) [Reprinted from Aerospace medicine, v. 38, no. 2, Feb. 1967.]

◆For Sale by Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

School of Aerospace Medicine—Continued

- 15897 66-276. Multifocal premature contractions, ECG finding of grave significance [with list of references: by] Philip R. Akre. Feb. 1967. cover title, [1]+198-201+[2] p. il. 4° [Reprinted from Aerospace medicine, v. 38, no. 2, Feb. 1967.]
- 15898 66-277. Space flight feeding systems, characteristics, concepts for improvement, and public health implications [with list of references: by] Norman D. Heidelbaugh. Dec. 1966. cover title, 1662-71+[2] p. il. 4° ([Task 775803.]) [Reprinted from Journal of American Veterinary Medical Association, v. 149, no. 12, Dec. 15, 1966.]
- 15899 67-50. Behavioral changes in rats at ground level following gestation and growth in 100% oxygen at reduced pressures [with list of references: by] Julian P. Cooke, William E. Pepelko. June 1967. cover title, iii+5+[2] p. il. 4° [Research conducted in Physiology Branch under task 775801.]
- 15900 67-59. Effects of prolonged stage 4 and 1-REM [rapid eye movement] sleep deprivation, EEG, task performance, and psychologic responses [with list of references]: by Robert L. Williams, II, W. Agnew, Jr., Wilse B. Webb. July 1967. cover title, iii+10+[2] p. il. 4° ([Task 775504, contract AF 41 (609) 2907.])
- 15901 67-61. Effects of monomethylhydrazine upon renal function [with list of references]: by Fredric L. Coe, Robert W. Howe, James A. Goetting. July 1967. cover title, iii+7+[2] p. il. 4° ([Task 630207.])
- 15902 United States Air Force occupational handbook for airmen, manual for guidance counselors, 1967-68. [1967.] 44 p. il. 4° [Title on cover is: United States Air Force airman occupational handbook, 1967-68.] †
● Item 424-F
L.C. card 57-61444 D 301.6/5: Oc 1/1967-68

AIR TRAFFIC SERVICE, Transportation Dept. Washington, D.C. 20553

- 15903 International flight information manual, v. 15, Apr. 1967, amdt. 1: July 1967. [1967.] [47] p. 4° (Flight Information Division, National Flight Data Center (AT-430).) [Issued in looseleaf form.] * Paper, \$1.25 (including basic manual and supplemental for foreign mailing. ● Item 431-C-18 TD 4.309: 15/amdt.1

AIRPORTS SERVICE, Transportation Dept. Washington, D.C. 20553

- 15904 Aviation demand and airport facility requirement forecasts for large air transportation hubs through 1980. Aug. 1967. iii+130+19+25 p. 4° [Issued with perforations.] † ● Item 982-E-1 TD 4.102: Av 5

ARMED FORCES INFORMATION AND EDUCATION, Defense Dept., Washington, D.C. 20301

DOD [pamphlets]. † ● Item 312-A D 2.14: (letters-nos.)

- 15905 AO-1A. Capsule facts for Armed Forces: Dominican Republic. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15906 AO-14. Same: Jordan. June 1967. [2] p. il. 4° [Adapted from Department of State Background notes series.]
- 15907 AO-24. Same: Malta. Aug. 1967. [4] p. il. 4° [Adapted from Department of State Background notes series.]
- 15908 AO-25. Same: Burundi. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15909 AO-26. Same: Afghanistan. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15910 AO-27. Same: Upper Volta. Aug. 1967. 3 p. il. 4° [Adapted from Department of State Background notes series.]
- 15911 AO-28. Same: Singapore. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15912 AO-29. Same: Cyprus. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15913 AO-30. Same: Albania. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15914 AO-31. Same: Norway. Aug. 1967. 3 p. il. 4° [Adapted from Department of State Background notes series.]
- 15915 AO-32. Same: Ecuador. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15916 AO-33. Same: Argentina. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15917 AO-34. Same: Australia. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15918 AO-35. Same: Czechoslovakia. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15919 AO-39. Same: Yemen. Aug. 1967. 3 p. il. 4° [Adapted from Department of State Background notes series.]
- 15920 AO-40. Same: Seychelles. Aug. 1967. 3 p. il. 4° [Adapted from Department of State Background notes series.]
- 15921 AO-41. Same: Barbados. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15922 AO-42. Same: Cambodia. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 15923 AO-43. Capsule facts for Armed Forces: Burma. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]

ARMS CONTROL AND DISARMAMENT AGENCY
Washington, D.C. 20451

- 15924 Control of local conflict. (ACDA/WEC-98; Center for International Studies, Massachusetts Institute of Technology.) ● Item 125-A-3
L.C. card 67-62687 AC 1.2: C 76/v. (nos.)
- v. 1. Design study on arms control and limited war in developing areas: Summary report; prepared [by] Lincoln P. Bloomfield [and others]. June 30, 1967. iii+28 p. 4° * Paper, 25c.
- v. 2. Same: [Defining problem, design study, and preliminary findings]; prepared [by] Lincoln P. Bloomfield [and others]. June 30, 1967. xii+235 p. il. 4° * Paper, \$1.25.
- v. 3. Same: Studies of conflict; prepared [by] Amelia C. Leiss [and others]. June 30, 1967. vi+880 p. il. 4° * Paper, \$4.50.
- v. 4. Design study, relevance of factor analysis to study of arms control and limited war [with bibliography]; prepared by Thomas C. O'Sullivan. June 30, 1967. iii+44 p. il. 4° * Paper, 30c.
- 15925 Documents on disarmament, 1966 [with bibliography; compiled and annotated by Robert W. Lambert, assisted by Ruth Ihara and Jacqueline S. Mithun]. [Sept. 1967.] xvi+903 p. il. ([Publication 43.]) * Paper, \$2.50.
● Item 865-B
L.C. card 60-64408 AC 1.11/2: 966
- 15926 Non-proliferation treaty, why? [1967.] cover title, 9+[1] p. narrow 8° ([Publication 44.]) [Text on p. 2 of cover.] * Paper, 15c. ● Item 125-A-3 AC 1.2: N 73

ARMY DEPARTMENT, Defense Dept.
Washington, D.C. 20310

AMC pamphlets. (Army Material Command.) ‡ ● Item 322-A
D 101.22/3: (nos.)

- 15927 310-1. Military publications: Index of AMC publications and blank forms Change 1. Sept. 1, 1967. 5 p. 4° [Issued with perforations.]
- 15928 706-296. Engineering design handbook: Surface-to-air missile series, pt. 6. Structures and power sources [chap. 12-15, with lists of references]. Aug. 1967. cover title, xviii+[215] p. il. 1 pl. 4° [Reprint, without change, of ORDP 20-296, which was redesignated AMCP 706-296. Issued with perforations.]
L.C. card 67-62569

Army Materiel Command regulations AMCR (series).

- 15929 385-224. Safety, AMC safety manual, Change 13. May 3, 1966. [37] p. il. 16° [Issued with perforations.] * Paper, 20c. ● Item 323
D 101.9/2: 385-224/ch.13

Cold Regions Research & Engineering Laboratory, Hanover, N.H.: Research reports. (Army Materiel Command.)

- 15930 214. Role of sintering in snow construction [with list of literature cited]; by René O. Ramseler. July 1967. iv+10+[2] p. il. 4° (DA task IV014501B52A02.) ‡ D 103.33/3: 214

— Special report. (Army Materiel Command.)

- 15931 112. Understanding variations of physical properties of sea ice [with list of literature cited]; by W. F. Weeks. May 1967. iii+15+2 p. il. 4° (DA task IV014501B52A02.) [Based on talk given at Symposium on Antarctic Oceanography, held at Santiago, Chile, Sept. 1966.] ‡ D 103.33/2: 112

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Cold Regions Research & Engineering Laboratory, Hanover, N.H. Technical reports. (Army Materiel Command.) D 103.33:(nos.)

15932 133. Approach roads, Greenland, 1960-64 [with list of literature cited]; by Robert Davis. June 1967. vi+40+[2] p. il. 1 pl. 4° (DA task IV025001A13001.) Φ Paper, \$3.00.

15933 197. Some observations on densification of alpine snow covers [with list of literature cited]; by Charles M. Keeler. July 1967. iv+13+[2] p. il. 4° ([DA task IV014501B52A02.]) \ddagger

15934 Command safety program manual [with list of references]. [Oct. 1, 1967.] cover title, ii+31+[68] p. 4° (United States Army Security Agency.) [Supersedes USASA regulation 385-1 and 420-1, May 16 and Nov. 1, 1966.] \ddagger \bullet Item 325-B D101.6/5: Sa 1

Field manual FM (series). \ddagger \bullet Item 324 D 101.20:(nos.)

15935 1-100. Army aviation utilization, Change 1. Aug. 10, 1967. 14+[1] p. 4° [Issued with perforations.]

15936 3-8. Chemical reference handbook [with list of references]. Jan. 1967. cover title, 132 p. il. 1 pl. 4° [Issued with perforations. Supersedes FM 3-8, May 7, 1963, including Changes 1, July 31, 1964.]

15937 11-157. Signal large headquarters, operation company [with list of references]. June 1967. cover title, 36 p. il. 4° [Issued with perforations.]

15938 38-40. Packaging administration, Change 1, Aug. 3, 1967. [1967.] [44] p. il. 4° (Navy Dept. NAVSUP P451, Air Force Dept. AFP 71-1-7; Marine Corps, MCO P4030.24, Defense Supply Agency, DSAM 4145.6.) [Issued with perforations.]

Pamphlets. \ddagger \bullet Item 327 D 101.22:(nos.)

15939 360-230. Troop topics: Prisoners of war. Sept. 1967. cover title, [24] p. il. 4° [Text on p. 2-4 of cover.]

15940 360-300. Officers' call: Theirs to reason why. [Aug. 1967.] cover title, [24] p. il. 4° [Supersedes DA Pam 360-300, Aug. 1964.]

15941 550-56. Area handbook for Kenya [with bibliographies; by] Irving Kaplan [and others]. July 1967. xii+707 p. il. [Prepared by Foreign Area Studies, American University, Washington, D.C. Research and writing completed on May 15, 1966.] L.C. card 67-62739

15942 600-8. Unit personnel officer's guide, Change 16. Aug. 2, 1967. [56] p. 4° [Issued in looseleaf form.]

15943 Procurement and production, manufacturing methods and technology, 5-year program FY 1968-72. Aug. 1967. cover title, [3] leaves+ii+329 p. 4° (Army Materiel Command.) \ddagger \bullet Item 325 D 101.2: M 31/5 L.C. card 67-62727

15944 Summary of 13th National Conference of Civilian Aides to Secretary of Army, Fort Gordon, Ga., May 21-23, 1967. [1967.] cover title, iii+84 p. il. \ddagger \bullet Item 325 D 101.2: C 49/3/967

Technical manual TM (series). \ddagger \bullet Item 329 D 101.11:(nos.)

15945 5-241-1. Grids and grid references [with list of related references]. June 1967. cover title, 192+[1] p. il. 4° [Issued with perforations. Supersedes TM 5-241-1, Sept. 14, 1962.]

15946 10-277. Protective clothing, chemical operation [with list of references]. July 1967. cover title, 36+[1] p. il. 4° [Text on p. 2 of cover. Issued with perforations.]

15947 10-281. Field bakery operations [with list of references]. May 1967. cover title, 40 p. il. 4° [Issued with perforations.]

15948 10-404. Ration breakdown point operations [with list of references]. May 1967. cover title, 48 p. il. 4° [Supersedes TM 10-404, May 17, 1963 and rescinds DA form 2688, May 1, 1963. Issued with perforations.]

15949 10-500-18. Airdrop of supplies and equipment: Rigging $\frac{1}{4}$ -ton cargo trailer [with list of references]. May 1967. cover title, 26+[1] p. il. 4° (Air Force Dept. technical order TO 13C7-3-371.) [Issued with perforations. Supersedes TM 10-500-18/TO 13C7-3-371, Nov. 18, 1965.]

15950 10-500-19. Same: Rigging 105-mm howitzers [with lists of references]. June 1967. cover title, 71+[2] p. il. 4° (Air Force Dept., Technical order TO 13C7-10-31.) [Issued with perforations. Supersedes TM 10-500-19/TO 13C7-10-31, Mar. 4, 1966.]

15951 10-500-69. Same: Rigging trailer-mounted air compressors [with list of references]. June 1967. cover title, 19+[2] p. il. 4° (Air Force Dept. technical order TO 13C7-15-61.) [Issued with perforations. Supersedes TM 10-500-69/TO 13C7-15-61, May 24, 1965.]

15952 10-500-87. Same: Rigging M 28 and M 29 weapon systems, Change 1. Aug. 18, 1967. [39] p. il. 4° (Air Force Dept. technical order TO 13C7-47-1 [change 1].) [Issued in looseleaf form.]

15953 11-684. Principles and applications of mathematics for communications-electronics, Change 1. July 24, 1967. 13 p. 4°

*For Sale by Superintendent of Documents

\ddagger Distribution Made by Issuing Office

\ddagger Official Use. Not Available

NOVEMBER 1967

- 15954 11-2557-28. See Federal Aviation Administration Handbook 6000.6.
 USAAVLABS technical report. (Army Aviation Materiel Laboratories, Fort Eustis, Va.)
- 15955 67-32. Fluidic systems design manual [with bibliography]; by Charles A. Belsterling. July 1967. [1]+xv+183+[2] p. il. 4° (Task 1F121401-A14186, contract DA 44-177-AMC-390 (T); report ARD-DM-052.) [Prepared by Astromechanics Research Division, Giannini Controls Groups, Conrac Corporation, Malvern, Pa.] ‡ D 117.8/2: 67-32

ARMY MEDICAL SERVICE, Defense Dept. Washington, D.C. 20310

- 15956 Annual report, Surgeon General, Army, fiscal year 1966; compiled by Historical Unit. [1967.] vii+140 p. il. 1 pl. ‡ ● Item 349-C D 104.1: 966

ATOMIC ENERGY COMMISSION Washington, D.C. 20545

- 15957 AEC licensing guide: Industrial radiography, guide on radiation safety considerations in preparation of license applications. June 1967. v+71 p. il. 4° (Division of Materials Licensing.) [Text on p. 2 of cover. Issued with perforations.] * Paper, 50c. ● Item 1051-F
 L.C. card 67-62665 Y 3.At 7: 6-4R 11/967
- AEC research and development reports. Y 3.At 7: 22/(letters-nos.)
- 15958 CONF-650847. Proceedings of Conference on Radiation Biology, held at Oak Ridge Associated Universities, Oak Ridge, Tenn., Aug. 2-5, 1965 [with bibliographies]. [June 1967.] cover title, v+63 p. il. 4° [Sponsored by Oak Ridge National Laboratory, University of Tennessee Agricultural Research Laboratory, Oak Ridge Associated Universities.] ‡ Paper, \$3.00.
- 15959 CONF-661010. Compartments, pools, and spaces in medical physiology, proceedings of symposium held at Oak Ridge Institute of Nuclear Studies, operating unit of Oak Ridge Associated Universities, Oct. 24-27, 1966 [with lists of references]; editors Per-Erik E. Bergner, C. C. Lushbaugh, technical editor, Elizabeth B. Anderson. Aug. 1967. vi+522 p. il. ([AEC symposium series 11.]) ‡ Paper, \$3.00.
 L.C. card 67-61865
- 15960 CONF-670305. Proceedings of 1st international symposium on biological interpretation of dose from accelerator-produced radiation, held at Lawrence Radiation Laboratory, Berkeley, Calif., Mar. 13-16, 1967 [with list of references]; edited by Roger Wallace. [1967.] x+403 p. il. 4° [Sponsored by Division of Operational Safety.] ‡ Paper, \$3.00.
- 15961 IS-1611. Bibliography of 1966 mass spectroscopy literature compiled by computer method; by J. Capellen, H. J. Svec, C. R. Sage. July 1967. cover title, [1]+637 p. 4° (Ames Laboratory, Iowa State University, Ames, Iowa.) ‡ Paper, \$3.00.
- 15962 PNE-1111. Plowshare, civil, industrial and scientific uses for nuclear explosives, Project Pre-Gondola 1, Fort Peck Reservoir, Mont.; Preshot geophysical measurements [with list of references]; by R. T. Stearns, J. T. Rambo. July 1967. cover title, 58 p. il. 4° (U.S. Army Engineer Nuclear Cratering Group, Livermore, Calif.) ‡ Paper, \$3.00.
- 15963 RMO-3007. Design and descriptions of mechanical samplers in use at Grand Junction, Colo., Dec. 15, 1966. cover title, ii+22 p. il. 4° (Western Uranium project, Lucius Pitkin, Inc., Grand Junction, Colo.; [contract AT (05-1)-912].) ‡ Paper, \$3.00.
- 15964 SAN-679-1. Electrical component technology for 0.25 to 10.0 megawatt space power systems, design study, quarterly technical progress report: no. 1, Sept. 1-Nov. 30, 1966 [with list of references]; edited by A. E. King. Aug. 1967. cover title, [1]+vi+154 p. il. 4° (Aerospace Electrical Division, Westinghouse Electric Corporation, Lima, Ohio; [contract AT(04-3)-679].) ‡ Paper, \$3.00.
- 15965 SAN-679-2. Same: no. 2, Dec. 1, 1966-Feb. 28, 1967 [with list of references]; edited by A. E. King. Aug. 1967. cover title, xii+233 p. il. 4° (Aerospace Electrical Division, Westinghouse Electric Corporation, Lima, Ohio; [contract AT(04-3)-679].) [Page 233 on p. 3 of cover.] ‡ Paper, \$3.00.

‡For Sale by Clearinghouse, U.S. Department of
 Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 9

GOVERNMENT PUBLICATIONS

AEC research and development reports—Continued

- 15966 TID-4005 (pt. 6) (rev.). Summaries of research in high energy physics. July 1967. vi+143 p. 4° (Division of Research AEC, Washington, D.C.) [Indexes prepared by Division of Technical Information Extension, Oak Ridge, Tenn.] Φ Paper, \$3.00.
- 15967 TID-5360 (supp. 1) (rev.). Summary of industrial accidents in USAEC facilities, 1956. Aug. 1967. cover title, v+21 p. 4° ([Industrial Safety & Fire Protection Branch, Division of Operational Safety.]) Φ Paper, \$3.00.
- 15968 TID-8200 (16th rev.). Nuclear reactors built, being built, or planned in United States as of June 30, 1967; prepared by Office of Assistant General Manager for Reactors. [1967.] cover title, 30+[4] p. ll. 4° Φ Paper, \$3.00.
- 15969 TID-23872. Policy considerations in desalting and energy development and utilization [with list of references]; by James T. Ramey. July 1967. [1]+20 p. ll. [Text on p. 2 of cover.] \dagger
- 15970 Livermore, fifteen years of achievement, remarks, by Glenn T. Seaborg, Chairman, Atomic Energy Commission at 15th anniversary and dedication of Radiochemistry building, Lawrence Radiation Laboratory, Livermore, Calif., operated by University of California, Sept. 9, 1967. [1967.] 10 p. 4° (S-34-67.) \dagger Y 3.At 7: 34Se 1/146
- 15971 Nuclear science abstracts, cumulative index, v. 16-20, 1962-66: Subjects. [1967.] (Division of Technical Information.) * Paper, \$36.00 for 11-volume set. • Item 1051-A
L.C. card 50-4390 Y 3.At 7: 16-2/16-20/ind.subj.A-Z
A-B. [6]+1-680 p. 4°
C-D. [6]+681-1408 p. 4°
E-G. [6]+1409-2142 p. 4°
H-L. [6]+2143-2788 p. 4°
M. [6]+2789-3278 p. 4°
N. [6]+3279-3755 p. 4°
O-P. [6]+3757-4418 p. 4°
Q-R. [6]+4419-4987 p. 4°
S. [6]+4989-5528 p. 4°
T-U. [6]+5529-6146 p. 4°
V-Z. [6]+6147-6538 p. 4°
- 15972 Promise of International Atomic Energy Agency, remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, at International Theoretical Physics Conference on Particles and Fields, University of Rochester, Rochester, N.Y., Aug. 31, 1967. 1967. 13 p. 4° (S-33-67.) \dagger
Y 3.At 7: 34Se 1/145
- 15973 Radiation monitoring, programmed instruction book; by James E. Wade and G. E. Cunningham. Aug. 1967. vi+281 p. ll. (Division of Technical Information.) \dagger
L.C. card 67-62697 Y 3.At 7: 2R 11/29
- 15974 Remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, and U.S. representative to 11th general conference of International Atomic Energy Agency, Vienna, Austria, Sept. 27, 1967. 1967. 10 p. 4° (S-37-67.) \dagger
Y 3.At 7: Se 1/149
- 15975 Stanford Linear Accelerator Center, remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, at dedication of Stanford Linear Accelerator Center, Stanford, Calif., Sept. 9, 1967. 1967. 4 p. 4° (S-35-67.) \dagger
Y 3.At 7: 34Se 1/147
- 15976 Technological innovation and human goals, remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, at Industrial Research-100 Award banquet, New York, N.Y., Sept. 19, 1967. 1967. 12 p. 4° (S-36-67.) \dagger
Y 3.At 7: 34Se 1/148
- Understanding the atom series. (Division of Technical Information.)
- 15977 Animals in atomic research [with list of suggested references; by Edward R. Ricciuti]. [Aug. 1967.] cover title, [2]+54 p. ll. [Text on p. 2 and 3 of cover.] \dagger Atomic Energy Commission, P.O. Box 62, Oak Ridge, Tenn. 37830
L.C. card 67-62475 Y 3.At 7: 54 An 5
- 15978 Atom and the ocean [with list of suggested references; by E. W. Seabrook Hull]. [July 1967.] cover title, [2]+61 p. ll. [Text on p. 2 and 3 of cover.] \dagger Atomic Energy Commission, P.O. Box 62, Oak Ridge, Tenn. 37830
L.C. card 67-62476 Y 3.At 7: 54 Oc 2

*For Sale by Superintendent of Documents

\dagger Distribution Made by Issuing Office

\dagger Official Use. Not Available

**AVIATION MEDICINE OFFICE, Transportation Dept.
Washington, D.C. 20553**

- Aviation medical report AM (series). TD 4.210 : (nos.)
- 15979 67-3. Development of techniques for evaluating physiological protective efficiency of civil aviation oxygen equipment [with list of references; by] Ernest B. McFadden. Apr. 1967. [41+16+ [2] p. il. 4° Φ Paper, \$3.00.
- 15980 67-6. Adaptation to vestibular disorientation : 5, Eye-movement and subjective turning responses to 2 durations of angular acceleration [with list of references; by] William E. Collins, Fred E. Gnedry, jr. May 1967. [4] +14+ [2] p. il. 4° Φ Paper, \$3.00.
- 15981 67-12. Adaptation to vestibular disorientation : 7, Special effects of brief periods of visual fixation on nystagmus and sensations of turning [with list of references; by] William E. Collins. May 1967. [4]+15+[2] p. il. 4° Φ Paper, \$3.00.

**BONNEVILLE POWER ADMINISTRATION, Interior Dept.
Portland, Oreg. 97208**

- 15982 Generation and sales statistics, fiscal year 1967. [Aug. 7, 1967.] 6 p. il. 4° ([Branch of Customer Service, Rates & Statistics.]) [Pages 4-6 issued as leaves.] †
L.C. card 54-61687 1 44.8: 967

**BUSINESS AND DEFENSE SERVICES ADMINISTRATION,
Commerce Dept., Washington, D.C. 20230**

- 15983 Analysis of U.S. exports of scientific, industrial and technical instruments, 1958-66; [prepared by Frank Melnick]. Sept. 1967. 11 p. 4° † Paper, 10c.
L.C. card 67-62748 C 41.2: In 7/958-66
- 15984 Metal cutting tool industry 1961-66. Aug. 1967. 15 p. il. 4° † Paper, 25c.
L.C. card 67-62747 C 41.2: M 56/2/961-66
- 15985 Service industries, their problems and prospects, address by Jacob E. Katz, Director, Office of Marketing and Services, Business and Defense Services Administration, Department of Commerce, prepared for delivery at Servicemaster National Convention, Chicago, Ill., Aug. 22, 1967. [1967.] 10 p. 4° †
C 41.15: K 15/4
- 15986 Starch and related products in selected countries; [prepared by Edward L. Herbert and Jill Kugler]. Aug. 1967. v+42 p. il. 4° * Paper, 30c.
● Item 215
L.C. card 67-62155 C 41.2: St 2

**CENSUS BUREAU, Commerce Dept.
Suitland, Md. 20233**

- County business patterns CBP (series). ([Business Division.]) [Prepared in cooperation with Social Security Administration.]
- 15987 66-1. U.S. summary, 1966. [Sept. 1967.] cover title, xii+298 p. il. 4° * Paper, \$2.00. ● Item 133-A
L.C. card 49-45747 C 3.204: 66-1
- Current housing reports: Series H-111, Housing vacancies. * Paper, \$1.00 (including Series H-111 and H-121 for one year), \$1.25 additional for foreign mailing; single copy, 20c. ● Item 141-A
- 15988 49. Vacant housing units in United States, 2d quarter 1967. Aug. 1967. 15 p. 4°
C 3.215: H-111/49
- Series H-12, Housing characteristics. * Paper, \$1.00 (including Series H-111 and H-121) 25c. additional for foreign mailing, single copies vary in price.
- 15989 13A. Television households with UHF sets and color sets in selected metropolitan areas, Aug. 1966. Mar. 1967. [2] p. 4° * Paper, 20c. ● Item 141-A
C 3.215: H 121/13A
- 15990 Current industrial reports: Aircraft propellers, 1966. Sept. 5, 1967. 1 p. 4° (Series MA-37E (66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-37E(66)-1

GOVERNMENT PUBLICATIONS

- 15991 Current industrial reports: Aluminum ingot and mill products, summary for 1966, Sept. 19, 1967. 5 p. 4° (Series M33-2(66)-13.) † Paper, 15c.
C 3.158: M33-2(66)-13
- 15992 —: Converted flexible packaging products, summary for 1966, Aug. 31, 1967. 6 p. 4° (Series M26F(66)-13.) † Paper, 10c. ● Item 142-A
C 3.158: M26F(66)-13
- 15993 —: Electric housewares and fans, 1966, Aug. 17, 1967. 3 p. 4° (Series MA-36E(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-36E(66)-1
- 15994 —: Electric lamps, summary for 1966, Sept. 19, 1967. 10 p. 4°. (Series M36B(66)-5.) † Paper, 25c. ● Item 142-A C 3.158: M36B(66)-5
- 15995 —: Farm machines and equipment, 1966 (preliminary). Aug. 31, 1967. for 1966, Sept. 19, 1967. 5 p. 4° (Series M33-2(66)-13.) † Paper, 15c. 16 p. 4° (Series M35(66)-5.) † Paper, 25c. ● Item 142-A
C 3.158: M35A(66)-5/prelim.
- 15996 —: Farm pumps, shipments by destination, 1966, Sept. 18, 1967. [2] p. 4° (Series MA-35 G.1(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-35G.1(66)-1
- 15997 —: Hardwood plywood, preliminary, 1966, Sept. 5, 1967. 4 p. 4° (Series MA-24F(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-24F(66)-1/prelim.
- 15998 —: Metal cans, summary for 1966, Sept. 26, 1967. 15 p. 4° (Series M34D(66)-13.) † Paper, 15c. ● Item 142-A C 3.158: M34D(66)-13
- 15999 —: Mining machinery and equipment, 1966, Sept. 13, 1967. 2 p. 4° (Series MA-35F(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-35F(66)-1
- 16000 —: Office, computing, and accounting machines, 1966, Sept. 27, 1967. 4 p. 4° (Series MA-35R(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-35R(66)-1
- 16001 —: Pharmaceutical preparations, except biologicals, 1966, Oct. 17, 1967. 6 p. 4° (Series MA-28G(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-28G(66)-1
- 16002 —: Selected atomic energy products, 1966, Sept. 18, 1967. 4 p. 4° (Series MA-38Q(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-38Q(66)-1
- 16003 —: Softwood plywood, 1966, Sept. 21, 1967. 4 p. 4° (Series MA-24H(66)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-24H(66)-1
- 16004 —: Tractors, except garden tractors, 1966, Sept. 1, 1967. 3 p. 4° (Series M35S(66)-13.) † Paper, 15c. ● Item 142-A
C 3.158: M35S(66)-13
- 16005 —: Tufted textile products, July-Dec. 1966 (preliminary). May 26, 1967. 4 p. 4° (Series M22L(66)-2; Industry Division.) [Change sheet, dated Oct. 11, 1967, 1 p., issued also.] † Paper, 25c. ● Item 142-A
C 3.158: M22L(66)-2/prelim.
- 16006 —: Tufted textile products, Jan.-June 1967, Sept. 21, 1967. 3 p. 4° (Series M22L(67)-1.) † Paper, 25c. ● Item 142-A
C 3.158: M22L(67)-1
- 16007 —: Wiring devices and supplies, 1966, Sept. 6, 1967. 4 p. 4° (Series MA-36K(66)-1.) † Paper, 25c. ● Item 142-A
C 3.158: MA-36K(66)-1
- Current population reports: Series P-20, Population characteristics. * Paper, \$5.00 (including Series P-20, P-23, P-25, P-28 summaries, P-60, and P-65 for one year), \$1.50 additional for foreign mailing; single copy, prices vary. ● Item 142-C C 3.186: P-20/(nos.)
- 16008 166. Households and families, by type, 1967 (advance data from Mar. 1967 sample survey). Aug. 24, 1967. 4 p. 4° * Paper, 5c.
- 16009 167. School enrollment, Oct. 1966, Aug. 30, 1967. II + 16 + [1] p. II. 4° * Paper, 10c.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

—: Series P-25, Population estimates. * Paper, \$5.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.50 additional for foreign mailing; single copy, prices vary.
● Item 142-C C 3.186: P-25/(nos.)

- 16010 369. Estimates of population of United States, Jan. 1, 1950 to May 1, 1967. June 28, 1967. 2 p. 4° * Paper, 15c.
16011 370. Estimates of population of United States, Jan. 1, 1950 to June 1, 1967. July 18, 1967. 2 p. 4° * Paper, 15c.
16012 372. Estimates of population of United States, Jan. 1, 1950 to July 1, 1967. Aug. 21, 1967. 2 p. 4° * Paper, 15c.
16013 374. Provisional estimates of population of selected large metropolitan areas, July 1, 1966, report 1. Sept. 15, 1967. 5 p. 4° * Paper, 5c.
16014 375. Revised projections of population of States, 1970-85: [prepared by Meyer Zitter and Richard Irwin, with technical collaboration of Henry S. Shryock]. Oct. 3, 1967. cover title, i+110 p. il. 4° ([Population Division.]) * Paper, 60c.
16015 376. Estimates of population of United States, Jan. 1, 1950 to Aug. 1, 1967. Sept. 21, 1967. 2 p. 4° * Paper, 5c.

—: Series P-28, Special censuses. * Paper, \$5.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.50 additional for foreign mailing; single copy, prices vary.
C 3.186: P-28/(nos.)

NOTE.—Only the summaries for Series P-28 are included in the subscription. Censuses for individual cities and towns are sold by the Census Bureau at the prices indicated.

- 16016 1446. Special census of Fort Wayne, Ind., Jan. 24, 1967. [Revised] Sept. 26, 1967. [1967.] 26+[1] p. il. 4° † Paper, 25c.
16017 1448. Special census of Orange County, N.Y., Mar. 15, 1967. July 7, 1967. 7 p. 4° † Paper, 10c.
16018 1450. Summary of special censuses conducted by Bureau of Census between Jan. 1 and Mar. 31, 1967. July 25, 1967. 4 p. 4° * Paper, 15c. ● Item 142-C
16019 1451. Special census of Niagara County, N.Y., Apr. 3, 1967. [Revised] Sept. 5, 1967. [1967.] 32+[2] p. il. 4° † Paper, 25c.
16020 1452. Special census of Greece town, N.Y., Mar. 30, 1967. Aug. 21, 1967. 10 p. il. 4° † * Paper, 10c.
16021 1453. Special census of Memphis, Tenn., Mar. 27, 1967. Sept. 6, 1967. 58 p. il. 4° † Paper, 50c.
16022 1454. Special census of Huntington town, N.Y., May 3, 1967. Sept. 19, 1967. 20 p. il. 4° † Paper, 25c.
16023 1455. Summary of special censuses conducted by Bureau of Census between Apr. 1 and June 30, 1967. Sept. 21, 1967. 4 p. 4° * Paper, 5c. ● Item 142-C
16024 1456. Special census of Babylon town, N.Y., May 6, 1967. Sept. 28, 1967. 22+[1] p. il. 4° † Paper, 25c.
16025 1457. Special census of Skokie, Ill., June 26, 1967. Oct. 5, 1967. 8+[1] p. il. 4° † Paper, 10c.

—: Series P-60, Consumer income. * Paper, \$5.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.50 additional for foreign mailing; single copy, prices vary. ● Item 142-C

- 16026 52. Average family income up 7 percent in 1966 (advance data from Mar. 1967 sample survey). Aug. 21, 1967. 6+[1] p. 4° * Paper, 15c.
C 3.186: P-60/52

—: Series P-65, Consumer buying indicators. * Paper, \$5.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60 and P-65 for one year), \$1.50 additional for foreign mailing; single copy, prices vary.

- 16027 19. Report on current economic activity of U.S. households, recent purchases of cars and household durables and expected expenditures during months ahead, data through July 1967. Sept. 29, 1967. ii+25 p. il. 4° [Errata sheet, dated Oct. 5, 1967, 1 p., issued also.] * Paper, 20c. ● Item 142-C
C 3.186: P-65/19

Data access descriptions: Automated address coding guide and data retrieval series, AAC-. [Intended as introductions to means of access to unpublished data of Bureau of Census, for persons with data requirements not fully met by published reports. Issued with perforations.]

- 16028 1. Address coding guide and register, general applications. Aug. 1967. 4 p. 4° †
C 3.240/2: 1

Geographic reports, GE-10 (series).

- 16029 4. Supplement 1. Congressional district identification of counties and selected places (districts of 90th Congress). Aug. 1967. 3 p. il. 4° * Paper, 5c.
● Item 146-B C 3.208: 10/no.4/supp.1

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

GF (series).

C 3.191/2 : (nos.)

- 16030 13. Governmental finances in 1965-66, correction notice. Aug. 28, 1967. 1 p. 4° †
 16031 14. Local Government finances in selected metropolitan areas in 1965-66. [Sept. 1967.] iii+38+[1] p. il. 4° (Governmental finances; [Governments Division].) * Paper, 30c. ● Item 146-E
 L.C. card A59-10097

- 16032 Metropolitan area statistics. [Sept. 1967.] cover title, 897-944 p. [Reprint from Statistical abstract of United States, 1967.] * Paper, \$18.75 per 100, single copy 25c. C 3.134/2a : St 2

Quarterly public construction reports GC-(series).

- 16033 9. Construction expenditure of State and local governments, Jan.-Mar. 1967. July 1967. 3 p. 4° † Paper, 10c. ● Item 148-A C 3.215/10 : 9

Quarterly tax reports GT-(series).

- 16034 9. Quarterly summary of State and local tax revenue, Jan.-Mar. 1967. June 1967. 7 p. il. 4° † Paper, 10c. ● Item 146-E C 3.145/6 : 9

Technical paper.

- 16035 17. Trends in the income of families and persons in United States, 1947-64; by Mary F. Henson. [Aug. 1967.] vi+294 p. 4° (Population Division.) * Paper, \$1.50. ● Item 151-A
 L.C. card A67-7058 C 3.212 : 17

United States census of agriculture, 1964; farms, farm characteristics, livestock and products, crops, fruits, values; v. 1 [State and county statistics], pt. [Prepared in Agriculture Division. Supersedes statistics shown in preliminary reports series AC64-PL.] C 3.31/4 : 964/v.1/pt. (nos.)

- 16036 24. Virginia. [1967.] [4]+563+[25] p. il. 4° * Paper, \$3.25. ● Item 152-A-15
 16037 26. North Carolina. [1967.] [4]+483+[25] p. il. 4° * Paper, \$3.25. ● Item 152-A-16
 16038 28. Georgia. [1967.] [4]+591+[25] p. il. 4° * Paper, \$4.00. ● Item 152-A-17
 16039 30. Kentucky. [1967.] [4]+455+[25] p. il. 4° * Paper, \$3.00. ● Item 152-A-19
 16040 31. Tennessee. [1967.] [4]+443+[25] p. il. 4° * Paper, \$3.00. ● Item 152-A-20

— v. 3 [Special reports], pt.

- 16041 1. Data-collection forms and procedures for census and related surveys. [1967.] [3]+64 p. 4° ([Agriculture Division and Statistical Reports Division.]) * Paper, 45c. ● Item 152 C 3.31/5 : 964/v.3/pt.1

CHILDREN'S BUREAU, Health, Education, and Welfare Dept. Washington, D.C. 20201

NOTE.—The Children's Bureau has been assigned to the Social and Rehabilitation Service which was established August 15, 1967, by the Secretary of the Department of Health, Education, and Welfare in a major realignment of Federal welfare rehabilitation and social welfare service programs. The Welfare Administration was disestablished on the same date.

Publication.

- 16042 452. Lead poisoning in children [with list of references; by] Jane S. Lin-fu. 1967. [2]+25 p. 12° [Text on p. 2 of cover.] * Paper, 15c. ● Item 453
 ✓ FS 17.210 : 452

Statistical series.

- 16043 84. Supplement to Child welfare statistics-1965, adoptions in 1965. 1966. [2]+8 p. 4° † FS 14.113 : 84/supp.
 16044 Two articles on family life and sex education. [1967.] [3]+130-140+[2] p. il. 4° [Reprinted from Children, v. 14, no. 4, July-Aug. 1967.] * Paper, 10c. FS 14.109/a : F 21/3

CIVIL AERONAUTICS BOARD Washington, D.C. 20428

- 16045 Career opportunities for attorneys with Civil Aeronautics Board. [1967.] cover title, 16 p. il. narrow 8° † ● Item 183 C 31.202 : At 8
 16046 Civil Aeronautics Board reports: v. 39. Economic and safety enforcement cases of Civil Aeronautics Board, Sept. 1963-Feb. 1964. [1967.] xxv+1209 p. il. * Cloth, \$4.25. ● Item 179
 L.C. card 42-38246 C 31.211 : 39

*For Sale by Superintendent of Documents
 †Distribution Made by Issuing Office
 ‡Official Use. Not Available

- 16047 Introduction to airfreight rates. [1967.] cover title, ii+21 p. il. 4° †
● Item 183 C 31.202: Ai 7/8
- 16048 Regulations of Civil Aeronautics Board [as amended to Nov. 1, 1963, new and revised pages]; Sept. 15, 1967. [1967.] [45] p. 4° [Includes transmittal sheet 36. Issued in looseleaf form.] * Paper, \$6.50 (including basic book and supplementary service for an indefinite period); \$2.00 additional for foreign mailing. ● Item 186 C 31.206/7: 963/trans.36
- 16049 Remarks of Charles S. Murphy, Chairman, Civil Aeronautics Board at 10th annual dinner, Air Freight Forwarders Association, New York City, Sept. 29, 1967. [1967.] 9 p. 4° † C 31.215: M 95/44

**CIVIL DEFENSE OFFICE (Army), Defense Dept.
Washington, D.C. 20310**

[Handbook] H (series). ● Item 857-D-10 D 119.8/2:(nos.)

- 16050 11. Community and family service for civil defense, how organizations can advance their community civil defense program. July 1967. 26+[1] p. il. †
- 16051 11-A. Community involvement in civil defense, suggestions by American National Red Cross. July 1967. 45 p. il. 12° [Page 45 left blank for notes. Supersedes H-11-A, May 1965.] †
- 16052 11-1. Meetings that move, to inform, to stimulate, to involve, to motivate, guide to successful meetings on civil defense: v. 1. Program materials on participative techniques, adjusting to living in nuclear age, preparedness and natural disasters, fallout shelters in schools. July 1967. cover title, 38+[5] p. il. 4° [Includes lists of available informational materials. Issued with perforations. Four pages are left blank for notes. Supersedes H-11-1, Aug. 1964, which may be used.] † Community Service Office, Office of Civil Defense, Department of Army, O.S.A., Washington, D.C. 20310

Leaflet L (series).

- 16053 41. Nuclear defense design for architects and engineers [courses, announcement]. July 1967. [10] p. il. narrow 8° [Supersedes L-41, Sept. 1965.] †
● Item 857-D-5 D 119.13: 41/2

[Miscellaneous publication] MP (series). † ● Item 857-D-11 D 119.11:(nos.)

- 16054 20. Publications index. July 1967. viii+[2]+34 p. il. 4° [Issued with perforations. Supersedes MP-20, Jan. 1967.]
L.C. card 59-61734
- 16055 48. Labor's role in State, county, and local civil defense, labor leaders briefing guide. July 1967. [1]+12 p. il. oblong 48° ([Labor Liaison Office, Office of Secretary of Army, Office of Civil Defense.]

Student manual SM (series). ● Item 320-B-1 D 119.8/8:(nos.)

- 16056 2.1.1. Civil defense management textbook [with bibliographies; prepared by OCD Staff College, Battle Creek, Mich.]. [July 1967.] v+[213] p. il. 4° [For training purposes only. Issued with perforations. Supersedes SM 2.1.1, July 1966, which may be used.] †
- 16057 16.1. Shelter management textbook; [prepared by OCD Staff College, Battle Creek, Mich.]. July 1967. vi+127 p. 4° [Issued with perforations. Supersedes SM 16.1, Guide for community fallout shelter management, July 1963.] †

Technical report TR (series). † ● Item 320-B-2 D 119.9:(nos.)

- 16058 41. Fallout protected schools; [prepared by McGaughan and Johnson, Architects, Washington, D.C.]. May 1967. cover title, 16 p. il. 4° [Supersedes TR-41, Jan. 1967.]
- 16059 46. Community development and civil defense; [prepared by McGaughan and Johnson, Architects, Washington, D.C.]. June 1967. cover title, 36 p. il. oblong 8° [Text on p. of cover.]
- 16060 47. National fallout shelter design competition: Community center, awards. [July 1967.] 70 p. il. oblong 8° [Project of Office of Civil Defense conducted by American Institute of Architects.]

**CIVIL RIGHTS COMMISSION
Washington, D.C. 20425**

- 16061 Equal opportunity in federally assisted agricultural programs in Georgia; by Georgia State Advisory Committee to United States Commission on Civil Rights. Aug. 1967. vii+45 p. 4° † ● Item 288-A
L.C. card 67-62664 CR 1.2: Ag8

GOVERNMENT PUBLICATIONS

CIVIL SERVICE COMMISSION

Washington, D.C. 20415

- 16062 ADP Management Training Center, 1967-68. [1967.] iii+21 p. (Bureau of Training.) † ● Item 295 CS 1.2: Ad7/967-68
- 16063 Agricultural commodity grader (meat), \$5,331 a year (grade GS-5), apply to Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E Street, NW., Washington, D.C. 20415, announcement WA-7-41. Oct. 2, 1967. 4 p. 4° [Suspension date, May 15, 1968.] † ● Item 292 CS 1.26/4: 967/WA-7-41
- 16064 Air traffic control specialist, center, tower, station, grade GS-6, \$5,867 a yr., applications continuously accepted [at] Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1900 E Street, NW., Washington, D.C. 20415, announcement WA-7-39 (local). Sept. 19, 1967. 8 p. il. † ● Item 292. CS 1.26/4: 967/WA-7-39
- 16065 Amendment to announcement 286 B, public health nutritionist (GS-9 to GS-15). Oct. 3, 1967. 1 p. 4° (Interagency Board of Civil Service Examiners for Washington, D.C.) † CS 1.26: 962/286B/amdt.-2
- 16066 Amendment to announcement 318, Hearing examiner. Sept. 19, 1967. 1 p. oblong 24° † CS 1.26: 964/318/rev.-3/amdt.
- 16067 Amendment to announcement 412 [auditor, accountant, internal revenue agent], Oct. 10, 1967. 1 p. oblong 24° † CS 1.26: 967/412/amdt.
- 16068 Announcement for mid-level positions, GS-9 \$7,696, GS-11 \$9,221, GS-12 \$10,927, in administrative staff and technical services, announcement 413. Oct. 10, 1967. 8 p. 4° [Open until further notices.] † ● Item 292 CS 1.26: 967/413
- 16069 Begin your professional career, auditor, accountant, internal revenue agent, starting salaries GS-5 \$6,387, GS-7 \$7,303 in Federal departments and agencies throughout the country, announcement 412, Sept. 5, 1967. 4 p. 4° † ● Item 292 CS 1.26: 967/412
- 16070 Careers in Government, Federal service entrance examination, including management internships, [announcement 10]. [Sept. 1, 1967.] 8 p. il. 4° † ● Item 292 CS 1.26: 967/410
- 16071 Careers in psychology, research psychologist, specialized fields, developmental psychology, engineering psychology, experimental and physiological psychology, personality psychology, personnel measurement and evaluation, social psychology, general psychology, salaries, grades GS-9, \$7,696 (through) GS-15, \$17,550, apply to Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1900 E Street NW., Washington, D.C. 20415, supplement to announcement 356B. Revised Sept. 1967. [1967.] 6 p. 4° † ● Item 292 CS 1.26: 965/356B/supp.-3/rev.
- 16072 Current Federal examination announcements, AN 2279, supp. A to issue 179, Sept.-Oct. 1967. [1967.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/179/supp.A
- 16073 — AN 2279, supp. B to issue 179, Sept.-Oct. 1967. [1967.] 1 p. oblong 48° † ● Item 292 CS 1.28: 2279/179/supp.B
- 16074 Discontinuance notice to announcement 188, accountant and auditor (GS-5 and GS-7). Sept. 1, 1967. 1 p. oblong 48° † CS 1.26: 959/188/rev.-7/notice
- 16075 Discontinuance notice to announcement 329 B, patent examiner (grades 9-13). Oct. 2, 1967. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners.) † CS 1.26: 964/329B/notice
- 16076 Discontinuance notice to announcement 377B, Agricultural commodity grader (meat), grade 5. Sept. 12, 1967. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Effective Sept. 19, 1967.] † CS 1.26: 965/377B/notice

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16077 Discontinuance notice to examinations for 202B-Pharmacologists, GS-7, to 15,203B-Biological research assistants, GS-5, 204B-Biologists, microbiologists, physiologists, GS-7 to 15,285B-Fishery biologist and wildlife biologist, GS-5 to 15,370B-Microbiologist, GS-7 to 14. Sept. 19, 1967. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Amends issue 179 of AN 2279.] †
CS 1.26: 959/202B/notice
- 16078 Forester, grades GS 5-7, applications continuously accepted by Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1900 E Street, NW., Washington, D.C. 20415, announcement WA-7-43. Oct. 17, 1967. 4 p. il. 4° † ● Item 292
CS 1.26/4: 967/WA-7-43
- 16079 Handbook of occupational groups and series of classes established under Federal position-classification plan. July 1958, reprinted Apr. 1967. [187] p. (Bureau of Policies and Standards, Standards Division.) [Includes all changes made in transmittal sheets 1 through 50. Issued in looseleaf form.] * Paper, \$4.50 (including revised pages as issued); \$1.00 additional for foreign mailing. ● Item 296
L.C. card 50-61315 CS 1.44: 958/rep.-2
- 16080 Office assistant, examination to fill clerical and office machine operator positions in Washington, D.C. area, apply to Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1900 E Street, NW., Washington, D.C. 20415, announcement WA-7-40. Sept. 26, 1967. 4 p. 4° [Open until further notice.] † ● Item 292
CS 1.26/4: 967/WA-7-40
- Pamphlet.
- 16081 33-18. Pay structure of Federal civil service, June 30, 1966: [prepared by] Statistics Section, [Bureau of Management Services]. [June 1967.] cover title, 36 p. il. 4° [Text on p. 2-4 of cover.] †
L.C. card 48-46254 CS 1.48: 33-18
- 16082 Places where civil service examinations are held, AN 2300, Jan. 1967. [1966.] [2] p. 4° †
CS 1.28: 2300/28
- 16083 Second look, progress report on Federal employment of mentally retarded. June 1967. [18] p. narrow 8° † ● Item 295
L.C. card 67-62749 CS 1.2: M 52/967

COAST AND GEODETIC SURVEY, Commerce Dept. Washington, D.C. 20230

- 16084 Coast and Geodetic Survey catalog of aeronautical charts and related publications. Sept. 1967. [2] p. oblong 1°, folded into narrow 8° size. †
C 4.50: Ae8/967-3
- 16085 Pathfinders from the stars [new scientific documentary motion picture film covering history and development of methods for determining geographic position, announcement]. [1967.] [20] p. il. narrow 8° † ● Item 192
C 4.2: P 27
- 16086 Tidal current tables, Atlantic Coast of North America, 1968. [1967.] 200 p. il. 6 pl. [Includes list of publications relating to tides and currents.] † Paper, \$2.00. ● Item 190.
L.C. card 22-26822 C 4.22: 968
- 16087 — Pacific Coast of North America and Asia, 1968. [1967.] 254 p. il. [Includes list of publications relating to tides and currents.] † Paper, \$2.00. ● Item 191
C 4.23: 968

COAST GUARD, Transportation Dept. Washington, D.C. 20591

- 16088 Cadet profile, United States Coast Guard Academy, 1967-68. [1967.] 8 p. il. narrow large 8° [Based on data for class of 1971. Prepared by Director of Admissions, for use of secondary school guidance counselors.] †
● Item 982-F-1 TD 5.15: 967-68

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

Page 17

GOVERNMENT PUBLICATIONS

- 16089 Light list: v. 3, Pacific Coast and Pacific Islands, 11th, 12th, 13th, 14th, and 17th Coast Guard districts, Aug. 26, 1967 (including no. 34 of 1967). 1967. xxii+291+15 p. il. map. 4° (CG-162.) [Publication contains list of lights, fog signals, buoys, daybeacons, lightships, radiobeacons, and loran stations. Edge index and how to use on p. 4 of cover. Some illustrations are colored.] * Paper, \$2.00. • Item 940
L.C. card 14-30372 TD 5.9: v.3/967

COASTAL PLAINS REGIONAL COMMISSION 2001 Wisconsin Ave., N.W., Washington, D.C. 20235

NOTE.—The Coastal Plains Regional Commission has been established by the Secretary of Commerce under authority of Public law 89-136, approved August 26, 1965.

- 16090 Remarks by J. Russell Tuten, Federal Cochairman, Coastal Plains Regional Commission, to members of Division of Agricultural Economics of University of Georgia, Georgia Experiment Station, Jekyll Island, Ga., Sept. 14, 1967. [1967.] 8 p. 4° † Y 3.C 63/2: 9T 88

COMMERCE DEPARTMENT Washington, D.C. 20230

NOTE.—Requests to the Commerce Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 16091 Address by Acting Assistant Secretary of Commerce for Science and Technology, John F. Kincaid, prepared for delivery to Society of Cosmetic Chemists, Chicago, Ill., Sept. 22, 1967. 1967. 14 p. 4° (Comm-DC-55472.) † C 1.18: K 57
- 16092 Address by Secretary of Commerce Alexander B. Trowbridge prepared for delivery at annual meeting of Rocky Mountain Oil and Gas Association, Denver, Colo., Sept. 29, 1967. [1967.] 16 p. 4° † C 1.18: T 75/32
- 16093 Address by Secretary of Commerce, Alexander B. Trowbridge, prepared for delivery at annual meeting of West Virginia Manufacturing Association, White Sulphur Springs, W. Va., Oct. 6, 1967. 1967. 15 p. 4° (News: USCOMM-DC-34211.) † C 1.18: T 75/33
- 16094 Address by Secretary of Commerce Alexander B. Trowbridge prepared for delivery before 33d annual meeting of Southern Governors' Conference, Asheville, N.C., Sept. 11, 1967. 1967. 16 p. 4° † C 1.18: T 75/29
- 16095 Address by Secretary of Commerce Alexander B. Trowbridge prepared for delivery to Patents Committee of National Association of Manufacturers, New York, N.Y., Sept. 8, 1967. 1967. 11 p. 4° (Comm-DC-34137.) † C 1.18: T 75/28
- 16096 Address by Secretary of Commerce Alexander B. Trowbridge prepared for Key Issues Forum, Philadelphia, Sept. 11, 1967. 1967. 15 p. 4° (Comm-DC-34143.) † C 1.18: T 75/30
- 16097 Boulder Laboratories, Department of Commerce, [National Bureau of Standards, Environmental Science Services Administration]. [1967.] [4] p. il. oblong 24° † C 1.2: B 66
- 16098 Foreign trade's role in U.S. economy, address by Charles F. Boehm, Director, Office of Field Services, Department of Commerce, prepared for delivery at presentation of Presidential E award for excellence in exporting to Motorola Semiconductor Products, Inc., Phoenix, Ariz., Sept. 8, 1967. 1967. 7 p. 4° (USCOMM-DC-7059.) † C 1.18: B 63/3
- 16099 National and regional export expansion councils, directory, 1967-69. [1967.] cover title, 74 p. 4° [Text on p. 2 of cover.] † • Item 128-B C 1.42/3: D 62/967-69

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Overseas business reports OBR (series). [Issued irregularly.] * Paper, \$13.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.). ● Item 231-B C 1.50; (nos.)

- 16100 67-46. Foreign trade regulations of Colombia; prepared by David S. McCracken. July 1967. 10 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 66-2.]
- 16101 67-48. Foreign trade regulations of Ecuador; prepared by David S. McCracken. July 1967. 7 p. 4° (Bureau of International Commerce.) [Supersedes OBR 66-43.]
- 16102 67-49. Gas, characteristics and distribution, market for gas equipment in Western Europe [with bibliography]; prepared by C. B. Pletcher. Aug. 1967. 17 p. il. 4° (Business and Defense Services Administration.) [Supersedes OBR 65-28.]
- 16103 67-51. Basic data on economy of Surinam [with bibliography]; prepared by Franklin J. Vargo. Aug. 1967. 12 p. il. 4° (Bureau of International Commerce.)
- 16104 67-52. Selling in Canada [with bibliography]; prepared by Xavier W. Eilers and Benjamin J. Stein. Aug. 1967. 13 p. 4° (Bureau of International Commerce.)
- 16105 67-53. Market information on electronic products in Australia; prepared by G. M. Russell. Aug. 1967. 12 p. 4° (Business and Defense Services Administration.)
- 16106 67-55. Foreign trade regulations of Republic of Korea; prepared by Lois J. DeNauw. July 1967. 9 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 64-24.]
- 16107 67-57. Basic data on economy of Italy [with bibliography]; prepared by Alan O. Maurer. September 1967. 16 p. il. 4° (Bureau of International Commerce.) [Supersedes OBR 62-51.]
- 16108 67-58. Trade of United States with Communist areas in Eastern Europe and Asia, 1964-66; [prepared by International Trade Analysis Division, Office of International Regional Economics.] Sept. 1967. 16 p. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 16109 Remarks by Secretary of Commerce Alexander B. Trowbridge prepared for delivery at meeting of United States Travel Service overseas regional directors and USTS-State Liaison officers, Sept. 20, 1967. [1967.] 5 p. 4° (COMM-DC-34168.) † C 1.18; T 75/31
- 16110 U.S. Department of Commerce telephone directory. Sept. 1967. cover title, xii+128+[4] p. 4° [Text on p. 2-4 of cover. Includes edge index and instructions for use.] * Paper, \$1.00. C 1.37; 967-2
- 16111 War on hunger, export potential for U.S. agribusiness, remarks by Stanley Nehmer, Deputy Assistant Secretary of Commerce for Resources, prepared for delivery at Convocation on World Hunger of National Industrial Conference Board, New York, N.Y., Sept. 13, 1967. 17 p. 4° † C 1.18; N 31/3

COMMODITY EXCHANGE AUTHORITY, Agriculture Dept.
Washington, D.C. 20250

- 16112 Trading in corn futures, Sept. 1966-Mar. 1967. Aug. 1967. [1]+22 p. 4° † A 85.2; C 81/3/966-67

CONGRESS

- 16113 Congressional record, proceedings and debates of 89th Congress, 2d session, v. 112, pt. 3, Feb. 10-26, 1966. [Permanent edition.] 1966. [1]+2817-4180 p. 4° * Cloth, \$4.25. ● Item 993
L.C. card 12-36438 X.89/2: 112/pt.3
- 16114 — v. 112, pt. 5, Mar. 10-28, 1966. [Permanent edition.] 1966. [1]+5495-6872 p. 4° * Cloth, \$4.50. ● Item 993
L.C. card 12-36138 X.89/2: 112/pt.5
- 16115 — v. 112, pt. 6, Bar. 29-Apr. 18, 1966. [Permanent edition.] 1966. [1]+6873-8284 p. 4° * Cloth, \$4.50. ● Item 993
L.C. card 12-36438 X.89/2: 112/pt.6
- 16116 — v. 112, pt. 7, Apr. 19-May 2, 1966. [Permanent edition.] 1966. [1]+8285-9510 p. 4° * Cloth, \$4.00. ● Item 993
L.C. card 12-36438 X.89/2: 112/pt.7

♠For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

16117 Congressional record, proceedings and debates of 89th Congress, 2d session, v. 112, pt. 8, May 3-18, 1966. [Permanent edition.] 1966. [1]+9511-10980 p. 4° * Cloth, \$5.00. ● Item 993
L.C. card 12-36438 X.89/2:112/pt.8

16118 — v. 112, pt. 11, June 22-July 11, 1966. [Permanent edition.] 1966. [1]+13843-15188 p. 4° * Cloth, \$4.25. ● Item 993
L.C. card 12-36438 X.89/2:112/pt.11

NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break. Extraneous matter appearing in the Appendix is omitted from the permanent form of the Congressional record.

Congressional serial set

NOTE.—During each session of Congress the House and Senate documents and reports are accumulated into bound volumes comprising the Congressional serial set. No catalog entry is made for the volumes of the Serial set since the documents and reports contained therein have been previously listed in the Monthly catalog.

The following bound volumes were sent to depository libraries during the period of this catalog:

16119 House documents:

nos. 352-353, 384, 397, 472, 487, 89th Cong., 2d sess., Audits of Government corporations, etc. [Serial 12726]. ● Item 995-G
no. 139, 90th Cong., 1st sess., Memorial addresses on Christian Herter [Serial 12768-2]. ● Item 995-G

16120 Senate document:

no. 19, 90th Cong., 1st sess., Mineral and water resources of Missouri [Serial 12759-2]. ● Item 995-G

16121 Senate reports:

nos. 1103, 1153, 1348, 1379, 89th Cong., 2d sess., Reports of Committee on Government Operations [Serial 12712-4]. ● Item 1007-A

Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

Private laws, 90th Congress. † House or Senate Document Rooms, Capitol.

- 16122 87. S. 906, act for relief of Luis Tapia Davila. Approved Sept. 17, 1967. 1 p.
- 16123 88. S. 1448, act for relief of Roy A. Parker. Approved Sept. 17, 1967. 1 p.
- 16124 89. S. 163, act for relief of Charles M. Bickart. Approved Sept. 22, 1967. 1 p.
- 16125 90. S. 653, act for relief of Robert C. Crisp. Approved Sept. 22, 1967. 1 p.
- 16126 91. S. 636, act for relief of Mrs. Chin Shee Shiu. Approved Sept. 26, 1967. 1 p.
- 16127 92. S. 477, act for relief of widow of Albert M. Pepoon. Approved Sept. 27, 1967. 1 p.

Public laws, 90th Congress. ● Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C. 20402, at a subscription price of \$12.00 per session, \$2.00 additional foreign mailing; single copies vary in price.

- 16128 72. S. 1111, act to authorize Secretary of Interior to construct, operate, and maintain Sao Filipe division, Central Valley project, Calif., and for other purposes. [Approved Aug. 27, 1967.] 2 p. * Paper, 5c.
- 16129 73. H.R. 1282, act to provide for withdrawal of wine from bonded wine cellars without payment of tax when rendered unfit for beverage use, and for other purposes. [Approved Aug. 29, 1967.] 2 p. * Paper, 5c.
- 16130 74. H.R. 7362, act to authorize Secretary of Interior to acquire certain properties within Colonial National Historical Park, in Yorktown, Va., and for other purposes. Approved Aug. 29, 1967. 1 p. * Paper, 5c.
- 16131 75. H.J. Res. 804, joint resolution making continuing appropriations for fiscal year 1968, and for other purposes. Approved Aug. 29, 1967. 1 p. * Paper, 5c.
- 16132 76. H.R. 2531, to provide for disposition of unclaimed and unpaid share of Loyal Creek judgment fund, and to provide for disposition of estates of intestate members of Creek Nation of Oklahoma or estates of members of Creek Nation of Oklahoma dying without heirs. Approved Aug. 29, 1967. 1 p. * Paper, 5c.
- 16133 77. S. 16, act to amend title 38 of United States Code in order to increase rates of pension payable to certain veterans and their widows, to provide additional readjustment assistance for veterans of services after Jan. 31, 1955, and for other purposes. [Approved Aug. 31, 1967.] 14 p. * Paper, 10c.
- 16134 78. H.R. 6056, act to amend Internal Revenue Code of 1954 to provide rules relating to deduction for personal exemptions for children of parents who are divorced or separated. [Approved Aug. 31, 1967.] 2 p. * Paper, 5c.
- 16135 79. S. 281, act to increase amount of real and personal property which may be held by American Academy in Rome. Approved Aug. 31, 1967. 1 p. * Paper, 5c.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16136 80. H.R. 10566, act to provide for disposition of funds appropriated to pay judgments in favor of Sac and Fox Indians, and for other purposes. Approved Aug. 31, 1967. 1 p. * Paper, 5c.
- 16137 81. H.R. 158, act to amend sec. 209 of Merchant marine act, 1936, so as to require future authorization of funds for certain programs of Maritime Administration. Approved Sept. 5, 1967. 1 p. * Paper, 5c.
- 16138 92. S. 1465, act to provide for holding terms of district court for eastern division of northern district of Mississippi in Ackerman, Miss. Approved Sept. 27, 1967. 1 p. * Paper, 5c.
- 16139 94. S. 1165, act to provide for disposition of judgment funds now on deposit to credit of Minnesota Chippewa Tribe of Indians on behalf of Mississippi Bands and Pillager and Lake Winnibigoshish bands of Chippewa Indians. Approved Sept. 27, 1967. 1 p. * Paper, 5c.
- 16140 95. S. 1657, act to extend for 1 year authority of Secretary of Agriculture to make indemnity payments to dairy farmers who are directed to remove their milk from commercial markets because it contains residues of chemicals registered and approved for use by Federal Government. Approved Sept. 28, 1967. 1 p. * Paper, 5c.
- 16141 96. H.R. 10738, act making appropriations for Department of Defense for fiscal year 1968, and for other purposes. [Approved Sept. 29, 1967.] 18 p. * Paper, 10c.
- 16142 97. H.R. 13026, act to extend through Mar. 1968 1st general enrollment period under pt. B of title 18 of Social security act (relating to supplementary medical insurance benefits for the aged), and for other purposes. Approved Sept. 30, 1967. 2 p. * Paper, 5c.
- 16143 98. H.R. 472, act to authorize Secretary of Agriculture to purchase certain land from Texas Southmost College, Brownsville, Tex. Approved Oct. 2, 1967. 1 p. * Paper, 5c.
- 16144 99. H.R. 12257, act to amend Vocational rehabilitation act to extend and expand authorization of grants to States for rehabilitation services, to authorize assistance in establishment and operation of National Center for Deaf-Blind Youth and Adults, and to provide assistance for migrants. [Approved Oct. 3, 1967.] 3 p. * Paper, 5c.
- 16145 100. S. 188, act creating a commission to be known as Commission on Obscenity and Pornography. [Approved Oct. 3, 1967.] 3 p. * Paper, 5c.

ECONOMIC JOINT COMMITTEE Washington, D.C. 20510

- 16146 Future of U.S. foreign trade policy, hearings before Subcommittee on Foreign Economic Policy, 90th Congress, 1st session. ● Item 1000
L.C. card 67-62362 Y 4.Ec7: F 76/4/v. (nos.)
v. 1. July 11-20, 1967. 1967. iv+1-414 p. il. * Paper, \$1.00.
v. 2. Submitted statements. 1967. iii+415-478 p. * Paper, 30c.
- 16147 Future of U.S. foreign trade policy, report of Subcommittee on Foreign Economic Policy with supplementary statement and individual views. 1967. v+25 p. (Joint committee print, 90th Congress, 1st session.) * Paper, 15c. ● Item 1000
L.C. card 67-62667 Y 4.Ec7: F 76/6
- 16148 Issues and objections of U.S. foreign trade policy, compendium of statements submitted to Subcommittee on Foreign Economic Policy; Sept. 1967. 1967. vii+262 p. il. (Joint committee print, 90th Congress, 1st session.) * Paper, 65c. ● Item 1000
L.C. card 67-62711 Y 4.Ec7: F 76/5
- 16149 Revenue sharing and its alternatives, what future for fiscal federalism, hearings before Subcommittee on Fiscal Policy, 90th Congress, 1st session, July 31-Aug. 3, 1967. 1967. iii+194 p. * Paper, 50c. ● Item 1000
L.C. card 67-62600 Y 4.Ec7: R 32/3/967

HOUSE OF REPRESENTATIVES Washington, D.C. 20151

House documents

NOTE.—All House documents, entries for which are followed by a †, may be obtained from the House Document Room or from the issuing office.

House documents, 89th Congress.

- 16150 497. Ceremonies and reenactment of 100th anniversary of 2d inauguration of Abraham Lincoln, 1865-1965, on east front of Capitol of United States, Mar. 4, 1965. 1967. xvii+54 p. il. 4°. [Title on cover is: Abraham Lincoln commemoration ceremony, 100th anniversary of his second inauguration, east front of Capitol, 1865-1965. Pocket containing pamphlet of commemoration ceremony, [4]+24 p. il., pasted on inside of back cover.] * Cloth, \$3.00. ● Item 996

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

House documents, 90th Congress.

- 16151 4, pt. 2. Annual report of chief of engineers, Army, on civil work activities [pertaining to rivers and harbors, flood control, beach erosion control, and related purposes], fiscal year 1966: v. 2, [Specific project data], 1966 [published 1967]. iii+1845 p. il. * (Available in departmental edition, \$5.00, D 103.1: 966/v.2 and sent to depositories in that form. See Entry no. 16518.)
- 16152 139. Memorial addresses and other tributes in Congress of United States on life and contributions of Christian Archibald Herter, 90th Congress, 1st session, 1967. vii+1+64 p. 1 por. (Sent to depositories in serial set binding.) L.C. card 67-62701
- 16153 147. Vietnam and Asian continent maps, including indexes and economic and topographic maps. July 17, 1967. [2] p. f°, folded into 8° size. [Contains copyright material. Maps are colored.] * Paper, 15c. ● Item 996
- 16154 152. Taxes, message from President of United States transmitting recommendations for taxes. Aug. 3, 1967. 8 p. * Paper, 5c. ● Item 996
- 16155 156. Federal employees' insurance, message from President of United States returning without approval bill (H.R. 11089). Aug. 14, 1967. 4 p. † ● Item 996
- 16156 158. Election of District of Columbia school board, communication from President of United States transmitting recommendations for legislation to permit popular election of school board in District of Columbia. Aug. 16, 1967. 3 p. † ● Item 996
- 16157 159. Trust Territory of Pacific Islands, communication from President of United States transmitting joint resolution regarding status of Trust Territory of Pacific Islands. Aug. 21, 1967. 10 p. † ● Item 996
- 16158 161. Report by General Accounting Office for improving Government operations, fiscal year 1966, letter from Comptroller General transmitting compilation of findings and recommendations; Aug. 23, 1967. 1967. xix+164 p. 4° † ● Item 996
- 16159 162. 6th semiannual report of Federal agency activity, communication from President of United States transmitting 6th semiannual report to Congress, pursuant to provisions of Public Law 88-451; Aug. 28, 1967. 1967. iv+7 p. [Relates to assistance to Alaska to recover from 1964 earthquake.] † ● Item 996
- 16160 164. ILO convention no. 124 and ILO recommendation no. 125, letter from Assistant Secretary for Congressional Relations, Department of State, transmitting text of ILO convention no. 124, and text of recommendation no. 125, adopted by International Labor Conference at 49th session, at Geneva, June 23, 1965; Sept. 14, 1967. 1967. viii+8 p. † ● Item 996
- 16161 167. Proposed State firearms control act of 1967, communication from President of United States transmitting recommendation urging action on proposed State firearms control act of 1967. Sept. 18, 1967. 3 p. † ● Item 996
- 16162 170. St. Lawrence Seaway Development Corporation, message from President of United States transmitting annual report of St. Lawrence Seaway Development Corporation for year ending Dec. 31, 1966; Sept. 25, 1967. 1967. v.+ [2]+16 p. † ● Item 996
- 16163 171. Peace in Asia, message from President of United States transmitting message on importance of peace in Asia. Sept. 26, 1967. 5 p. † ● Item 996

House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on private bills, 90th Congress. † House Document Room, Capitol. ● Item 1008-B

- 16164 418. Mauritz A. Sterner. Report from Committee on Judiciary to accompany H.R. 3865. June 27, 1967. 12 p. il.
- 16165 573. Authorizing Secretary of Interior to sell reserved phosphate interests of United States in lands located in Florida to record owners of surface thereof. Report from Committee on Interior and Insular Affairs to accompany H.R. 9085. Aug. 21, 1967. 4 p.
- 16166 579. Martha Blankenship. Report from Committee on Judiciary to accompany S. 117. Aug. 22, 1967. 4 p.
- 16167 580. CWO Charles M. Bickart. Report from Committee on Judiciary to accompany S. 163. Aug. 22, 1967. 4 p.
- 16168 581. Widow of Albert M. Pepon. Report from Committee on Judiciary to accompany S. 477. Aug. 22, 1967. 4 p.
- 16169 582. Capt. Robert C. Crisp. Report from Committee on Judiciary to accompany S. 653. Aug. 22, 1967. 5 p.
- 16170 583. Virgile Postay. Report from Committee on Judiciary to accompany H.R. 1884. Aug. 22, 1967. 4 p.
- 16171 584. Employees of General Services Administration. Report from Committee on Judiciary to accompany H.R. 1963. Aug. 22, 1967. 13 p.
- 16172 585. D. M. Dew & Sons, Inc., and Dewey Campbell. Report from Committee on Judiciary to accompany H.R. 3498. Aug. 22, 1967. 4 p.
- 16173 586. James E. Denman. Report from Committee on Judiciary to accompany H.R. 5199. Aug. 22, 1967. 2 p.
- 16174 587. Mrs. Sophie Michalowska. Report from Committee on Judiciary to accompany H.R. 5233. Aug. 22, 1967. 3 p.
- 16175 588. 1st Lt. Allan L. Schooler. Report from Committee on Judiciary to accompany H.R. 6325. Aug. 22, 1967. 4 p.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 16176 589. Willard Herndon Rusk. Report from Committee on Judiciary to accompany H.R. 8088. Aug. 22, 1967. 2 p.
- 16177 590. Arthur Anderson. Report from Committee on Judiciary to accompany H.R. 10655. Aug. 22, 1967. 4 p.
- 16178 591. Reference of bill (H.R. 1734) entitled bill for relief of Frances von Wedel to chief commissioner of Court of Claims pursuant to sec. 1492 and 2509 of title 28, United States Code. Report from Committee on Judiciary to accompany H. Res. 508. Aug. 2, 1967. 4 p.
- 16179 592. Dr. Abraham Ruchwarger. Report from Committee on Judiciary to accompany H. Res. 493. Aug. 22, 1967. 9 p.
- 16180 599. Lim Ai Ran and Lim Soo Ran. Report from Committee on Judiciary to accompany H.R. 1948. Aug. 24, 1967. 6 p.
- 16181 600. Angelique Kousoulas. Report from Committee on Judiciary to accompany H.R. 1960. Aug. 24, 1967. 7 p.
- 16182 601. Yim Mei Lam. Report from Committee on Judiciary to accompany H.R. 3430. Aug. 24, 1967. 7 p.
- 16183 618. Yoo Young Hui. Report from Committee on Judiciary to accompany H.R. 2464. Aug. 28, 1967. 5 p. [H.R. 2464, as amended by the committee, provides for relief of Yoo Young Hui and her daughter Ok Young.]
- 16184 619. Yong Ok Espantoso. Report from Committee on Judiciary to accompany H.R. 2978. Aug. 28, 1967. 4 p.
- 16185 620. Giuseppe De Stefano. Report from Committee on Judiciary to accompany H.R. 3734. Aug. 28, 1967. 4 p.
- 16186 661. Dr. Ray F. McMillan. Report from Committee on Judiciary to accompany H.R. 2283. Sept. 25, 1967. 7 p.
- 16187 664. Mi Soon Oh. Report from Committee on Judiciary to accompany S. 43. Sept. 26, 1967. 11 p.
- 16188 665. Dr. Pablo E. Tablo. Report from Committee on Judiciary to accompany S. 62. Sept. 26, 1967. 7 p.
- 16189 666. Dr. Enrique Alberto Rojas-Villa. Report from Committee on Judiciary to accompany S. 63. Sept. 26, 1967. 5 p.
- 16190 667. Dr. Luis Osvaldo Martinez-Farinas. Report from Committee on Judiciary to accompany S. 64. Sept. 26, 1967. 6 p.
- 16191 668. Dr. Armando Perez Simon. Report from Committee on Judiciary to accompany S. 221. Sept. 26, 1967. 4 p.
- 16192 669. Dr. Julio Alejandro Solano. Report from Committee on Judiciary to accompany S. 440. Sept. 26, 1967. 4 p.
- 16193 670. Rosmarie Gauch Neth. Report from Committee on Judiciary to accompany S. 445. Sept. 26, 1967. 4 p.
- 16194 671. Dr. Angel Reaud, also known as Angel Reaud Ramos Izquierdo. Report from Committee on Judiciary to accompany S. 503. Sept. 26, 1967. 3 p.
- 16195 672. Sabieae Elizabeth DeVore. Report from Committee on Judiciary to accompany S. 733. Sept. 26, 1967. 6 p.
- 16196 673. Rumiko Samanski. Report from Committee on Judiciary to accompany S. 741. Sept. 26, 1967. 8 p.
- 16197 674. Dr. Menelio Segundo Diaz Padron. Report from Committee on Judiciary to accompany S. 808. Sept. 26, 1967. 5 p.
- 16198 675. Dr. Ricardo Vallejo Samala. Report from Committee on Judiciary to accompany H.R. 2275. Sept. 26, 1967. 5 p.
- 16199 676. Visitacion Enrique Maypa. Report from Committee on Judiciary to accompany H.R. 4386. Sept. 26, 1967. 8 p.
- 16200 677. Mrs. Antonia Subias Val. Report from Committee on Judiciary to accompany H.R. 4985. Sept. 26, 1967. 4 p.
- 16201 678. Panagiotis Basil Paulus. Report from Committee on Judiciary to accompany H.R. 5575. Sept. 26, 1967. 5 p. [H.R. 5575, as amended by the Committee, provides for relief of Panagiotis Paulus.]
- 16202 679. Chrisanthe Savas Karatapanis. Report from Committee on Judiciary to accompany H.R. 6326. Sept. 26, 1967. 5 p.
- 16203 680. Valentina Sidorova Parkevich. Report from Committee on Judiciary to accompany S. 811. Sept. 26, 1967. 16 p.
- 16204 681. Dr. Julio Domingo Hernandez. Report from Committee on Judiciary to accompany S. 821. Sept. 26, 1967. 5 p.
- 16205 682. Dr. Cesar Abad Lugones. Report from Committee on Judiciary to accompany S. 863. Sept. 26, 1967. 5 p.
- 16206 683. Mitsuo Blomstrom. Report from Committee on Judiciary to accompany S. 975. Sept. 26, 1967. 6 p.
- 16207 684. Antonio Luis Navarro. Report from Committee on Judiciary to accompany S. 1021. Sept. 26, 1967. 8 p.
- 16208 685. Dr. G. F. Valdes-Fauli. Report from Committee on Judiciary to accompany S. 1105. Sept. 26, 1967. 6 p.
- 16209 686. Dr. David Castaneda. Report from Committee on Judiciary to accompany S. 1106. Sept. 26, 1967. 4 p.
- 16210 687. Dr. Felix C. Caballol and wife, Lucia J. Caballol. Report from Committee on Judiciary to accompany S. 1108. Sept. 26, 1967. 4 p. [S. 1108, as amended by committee, deletes name of beneficiary's wife.]
- 16211 688. Dr. Ramon E. Oyarzun. Report from Committee on Judiciary to accompany S. 1109. Sept. 26, 1967. 4 p.
- 16212 689. Dr. Manuel Apiztre Seisdedos. Report from Committee on Judiciary to accompany S. 1110. Sept. 26, 1967. 4 p.
- 16213 690. Dr. Lucio Arsenio Travieso y Perez. Report from Committee on Judiciary to accompany S. 1197. Sept. 26, 1967. 5 p.
- 16214 691. Dr. Gonzalo G. Rodriguez. Report from Committee on Judiciary to accompany S. 1269. Sept. 26, 1967. 4 p.
- 16215 692. Dr. Francisco Montes. Report from Committee on Judiciary to accompany S. 1279. Sept. 26, 1967. 4 p.

GOVERNMENT PUBLICATIONS

House reports on private bills, 90th Congress—Continued

- 16216 693. Dr. Alfredo Pereira. Report from Committee on Judiciary to accompany S. 1280. Sept. 26, 1967. 4 p.
- 16217 694. Lee Duk Hee. Report from Committee on Judiciary to accompany S. 1458. Sept. 26, 1967. 7 p.
- 16218 695. Dr. Hugo Gonzalez. Report from Committee on Judiciary to accompany S. 1471. Sept. 26, 1967. 4 p.
- 16219 696. Dr. Ernesto Nestor Prieto. Report from Committee on Judiciary to accompany S. 1482. Sept. 26, 1967. 5 p.
- 16220 697. Dr. Maria R. Garcini. Report from Committee on Judiciary to accompany S. 1525. Sept. 26, 1967. 4 p.
- 16221 698. Dr. Carlos E. Gariga. Report from Committee on Judiciary to accompany S. 1557. Sept. 26, 1967. 7 p.
- 16222 699. Dr. Maria del Carmen Trabado de Arias. Report from Committee on Judiciary to accompany S. 1647. Sept. 26, 1967. 5 p.
- 16223 700. Dr. Antonio Martin Ruiz del Castillo. Report from Committee on Judiciary to accompany S. 1709. Sept. 26, 1967. 4 p.
- 16224 701. Dr. Ramiro de la Riva Dominguez. Report from Committee on Judiciary to accompany S. 1748. Sept. 26, 1967. 4 p.
- 16225 702. Dr. Orlando Hipolito Martin. Report from Committee on Judiciary to accompany S. 1938. Sept. 26, 1967. 5 p.
- 16226 703. Relief of American Petrofina Co. of Texas, Delaware corporation, and James W. Harris. Report from Committee on Interior and Insular Affairs to accompany S. 1678. Sept. 26, 1967. 3 p.
- 16227 738. Incorporate Paralyzed Veterans of America. Report from Committee on District of Columbia to accompany H.R. 11131. Oct. 6, 1967. 4 p.

House reports on public bills, 90th Congress. † House Document Room, Capitol. (No. 728 is sold by Superintendent of Documents.) ● Item 1008-A

- 16228 246. Providing for printing as House document of Southeast Asia briefing map prepared by U.S. Army Map Service. Report from Committee on House Administration to accompany H. Con. Res. 253. May 11, 1967. 1 p.
- 16229 528. Furnishing uniform and presentation of flag of United States for deceased members of National Guard and Ready Reserve. Report from Committee on Armed Services to accompany H.R. 2630. Aug. 1, 1967. 9 p.
- 16230 538. Partnership for health amendments of 1967. Report of Committee on Interstate and Foreign Commerce with minority views to accompany H.R. 6418: Aug. 3, 1967. 1967. ix+89 p.
- 16231 570. Providing for distribution of United States Code annotated or Federal Code annotated to Members of House of Representatives. Report from Committee on House Administration to accompany H. Res. 506. Aug. 21, 1967. 3 p.
- 16232 598. Training opportunities for Federal legislative employees. Report from Committee on Post Office and Civil Service to accompany H.R. 3810. Aug. 24, 1967. 13 p.
- 16233 626. Amending Small reclamation projects act of 1956, as amended. Report from Committee on Interior and Insular Affairs to accompany S. 862. Aug. 31, 1967. 8 p.
- 16234 628. Report on international control of oil pollution. Report of congressional delegation to 3d extraordinary session of Intergovernmental Maritime Consultative Organization [from Committee on Merchant Marine and Fisheries]: Sept. 11, 1967. 1967. ix+32 p.
- 16235 629. Creating new division for western district of Texas. Report from Committee on Judiciary to accompany H.R. 8338. Sept. 12, 1967. 5 p.
- 16236 630. Amending sec. 5(b) of act of Mar. 18, 1966 (Public law 89-372). Report from Committee on Judiciary to accompany S. 828. Sept. 12, 1967. 6 p.
- 16237 632. Providing for disposition of judgment funds now on deposit to credit of Minnesota Chippewa Tribe of Indians on behalf of Mississippi bands and the Pillager and Lake Winnibigoshish bands of Chippewa Indians. Report from Committee on Interior and Insular Affairs to accompany S. 1165. Sept. 12, 1967. 4 p.
- 16238 633. Providing for disposition of funds appropriated to pay judgment in favor of Iowa Tribes of Kansas and Nebraska and of Oklahoma in Indian Claims Commission docket 138, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 2828. Sept. 12, 1967. 4 p.
- 16239 634. Conveying certain land to Squaxin Island Tribe of Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 8580. Sept. 12, 1967. 4 p.
- 16240 635. Authorizing Secretary of Interior to engage in feasibility investigations of certain water resource developments. Report from Committee on Interior and Insular Affairs to accompany H.R. 10130. Sept. 12, 1967. 12 p.
- 16241 637. Disposition of sundry papers. Report from Joint Committee on Disposition of Executive Papers. Sept. 12, 1967. 2 p.
- 16242 638. Establishing procedures to relieve domestic industries and workers injured by increased imports for low-wage areas. Report together with supplemental and separate views from Committee on Education and Labor to accompany H.R. 478. Sept. 13, 1967. 121 p.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16243 639. Authorizing Secretary of Interior to accept donations of land for, and to construct, administer, and maintain extension of Blue Ridge Parkway in North Carolina and Georgia, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 1340. Sept. 13, 1967. 11 p.
- 16244 641. Inter-American Development Bank act amendment of 1967. Conference report to accompany H.R. 9547. Sept. 14, 1967. 4 p.
- 16245 642. Consideration of H.R. 6736. Report from Committee on Rules to accompany H. Res. 920. Sept. 18, 1967. 1 p.
- 16246 644. Consideration of H.R. 6430. Report from Committee on Rules to accompany H. Res. 922. Sept. 18, 1967. 1 p.
- 16247 645. Consideration of H.R. 6418. Report from Committee on Rules to accompany H. Res. 923. Sept. 18, 1967. 1 p.
- 16248 646. Reallocating part of bankruptcy filing fee. Report from Committee on Judiciary to accompany H.R. 8632. Sept. 19, 1967. 5 p.
- 16249 647. Juvenile delinquency prevention and control act of 1967. Report from Committee on Education and Labor to accompany H.R. 12120. Sept. 19, 1967. 13 p.
- 16250 648. Organizational conspiracies act of 1967. Report together with dissenting views from Committee on Un-American Activities to accompany H.R. 7025. Sept. 19, 1967. 23 p.
- 16251 649. Food stamp appropriations authorization. Conference report to accompany S. 953. Sept. 19, 1967. 2 p.
- 16252 650. Inter-American development bank act amendments of 1967. Conference report to accompany H.R. 9547. Sept. 21, 1967. 4 p.
- 16253 651. Authorizing funds for operation of Committee on Standards of Official Conduct pursuant to House resolution 418. Report from Committee on House Administration to accompany H. Res. 871. Sept. 21, 1967. 1 p.
- 16254 652. Amending sec. 1263 of title 18, United States Code, relating to interstate shipments of intoxicating liquors. Report from Committee on Judiciary to accompany H.R. 5754. Sept. 21, 1967. 6 p. [Includes views of Basil L. Whitener.]
- 16255 653. Federal meat inspection act. Report together with supplemental views and additional supplemental views from Committee on Agriculture to accompany H.R. 12144. Sept. 21, 1967. 72 p.
- 16256 654. Consideration of H.R. 478. Report from Committee on Rules to accompany H. Res. 925. Sept. 21, 1967. 1 p.
- 16257 655. Consideration of H.R. 11284. Report from Committee on Rules to accompany H. Res. 926. Sept. 21, 1967. 1 p.
- 16258 657. Permit D.C. Council to make regulations under D.C. alcoholic beverage control act. Report from Committee on District of Columbia to accompany H.R. 13025. Sept. 22, 1967. 11 p.
- 16259 658. Obstruction of criminal investigations. Report together with additional views from Committee on Judiciary to accompany S. 676. Sept. 22, 1967. 8 p.
- 16260 659. District of Columbia elected Board of Education act. Report from Committee on District of Columbia to accompany H.R. 13042. Sept. 22, 1967. 28 p.
- 16261 660. Small business act amendments of 1967. Conference report to accompany S. 1862. Sept. 23, 1967. 10 p.
- 16262 662. Disposal of Alaska communications system. Report from Committee on Armed Services to accompany S. 223. Sept. 26, 1967. 12 p.
- 16263 663. Authorizing printing of additional copies of report to Committee on Science and Astronautics entitled Applied science and technological progress. Report from Committee on House Administration to accompany H. Res. 906. Sept. 26, 1967. 1 p.
- 16264 705. Medical enrollment act of 1967. Report from Committee on Ways and Means to accompany H.R. 13026. Sept. 26, 1967. 3 p.
- 16265 706. Appalachian regional development act amendments of 1967. Conference report to accompany S. 602. Sept. 26, 1967. 16 p.
- 16266 707. Authorizing service Secretaries to initiate allotments to uniformed savings deposit program for persons missing in action or captured by enemy. Report from Committee on Armed Services to accompany H.R. 4772. Sept. 27, 1967. 9 p.
- 16267 708. Continuing appropriations, 1968. Report from Committee on Appropriations to accompany H.J. Res. 849. Sept. 27, 1967. 5 p.
- 16268 709. Adjusting legislative jurisdiction at U.S. Naval Station, Long Beach, Calif. Report from Committee on Armed Services to accompany H.R. 11767. Sept. 27, 1967. 7 p.
- 16269 710. Establishing Judge Advocate General's Corps in Navy. Report from Committee on Armed Services to accompany H.R. 12910. Sept. 27, 1967.
- 16270 711. Amending title 10, United States Code, to change method of computing retired pay of certain enlisted members of Army, Navy, Air Force, or Marine Corps. Report from Committee on Armed Services to accompany H.R. 5943. Sept. 27, 1967. 7 p.
- 16271 712. Authorizing continued loan of certain naval vessels and 2 new loans. Report from Committee on Armed Services to accompany H.R. 9796. Sept. 27, 1967. 9 p.
- 16272 713. Highway beautification programs. Report from Committee on Public Works to accompany S. 1467. Sept. 27, 1967. 13 p. [Includes minority views.]
- 16273 714. Authorizing certain additional bridges and tunnels in Maryland. Report from Committee on Public Works to accompany H.R. 11627. Sept. 27, 1967. 10 p.
- 16274 715. Facilitating computation of tobacco acreage allotments. Report from Committee on Agriculture to accompany S. 1564. Sept. 27, 1967. 5 p.
- 16275 716. Facilitate land exchanges. Report from Committee on Agriculture to accompany H.R. 10442. Sept. 27, 1967. 4 p.

☿For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 25

GOVERNMENT PUBLICATIONS

House reports on public bills, 90th Congress—Continued

- 16276 717. Land transfer to University of Maine. Report from Committee on Agriculture to accompany H.R. 11527. Sept. 27, 1967. 8 p.
- 16277 718. Acquisition of career status by temporary Government employees. Conference report to accompany S. 1320. Sept. 27, 1967. 7 p.
- 16278 719. Consideration of H.R. 159. Report from Committee on Rules to accompany H. Res. 931. Sept. 27, 1967. 1 p.
- 16279 720. Consideration of H.R. 1411. Report from Committee on Rules to accompany H. Res. 932. Sept. 27, 1967. 1 p.
- 16280 721. Consideration of S. 676. Report from Committee on Rules to accompany H. Res. 933. Sept. 27, 1967. 1 p.
- 16281 723. Amending act providing for promotion of economic and social development in Ryukyu Islands. Report from Committee on Armed Services to accompany H.R. 4903. Sept. 28, 1967. 28 p. il.
- 16282 724. Continuing appropriations, 1968. Report from Committee on Appropriations to accompany H.J. Res. 853. Sept. 28, 1967. 3 p. [Corrected print.]
- 16283 725. Increasing amounts authorized for Indian adult vocational education. Report from Committee on Interior and Insular Affairs to accompany S. 306. Oct. 2, 1967. 4 p.
- 16284 726. Military construction authorization, fiscal year 1968. Conference report to accompany H.R. 11722. Oct. 2, 1967. 50 p.
- 16285 727. Consideration of House joint resolution 853. Report from Committee on Rules to accompany H. Res. 938. Oct. 2, 1967. 1 p.
- 16286 728. Air quality act of 1967. Report of Committee on Interstate and Foreign Commerce together with additional views to accompany S. 780; Oct. 3, 1967. 1967. iii+97 p. il. * Paper, 30c. L.C. card 67-62702
- 16287 729. Appropriations for Departments of Labor, and Health, Education, and Welfare, and related agencies, 1968. Conference report to accompany H.R. 10196. Oct. 3, 1967. 12 p.
- 16288 731. Preserving domestic gold mining industry and increasing domestic production of gold. Report from Committee on Interior and Insular Affairs to accompany H.R. 3274. Oct. 4, 1967. 9 p.
- 16289 732. Extending provisions of act of Oct. 23, 1962, relating to relief for occupants of certain unpatented mining claims. Report from Committee on Interior and Insular Affairs to accompany H.R. 10583. Oct. 4, 1967. 8 p.
- 16290 733. Internal security act of 1950 amendments. Report together with dissenting view from Committee on Un-American Activities to accompany H.R. 12601. Oct. 4, 1967. 56 p.
- 16291 735. Providing for disposition of funds to Upper and Lower Chehalis Tribes of Indians, Washington. Conference report to accompany H.R. 678. Oct. 5, 1967. 2 p.
- 16292 737. Amend sec. 11 of D.C. life insurance act. Report from Committee on District of Columbia to accompany H.R. 10213. Oct. 6, 1967. 5 p.
- 16293 739. To exempt public international organizations from District of Columbia unemployment compensation act. Report from Committee on District of Columbia to accompany H.R. 9059. Oct. 6, 1967. 7 p.
- 16294 740. Amend National Capital transportation act of 1965. Report from Committee on District of Columbia to accompany H.R. 11395. Oct. 6, 1967. 12 p.
- 16295 741. Amend statute of limitations in certain civil actions. Report from Committee on District of Columbia to accompany H.R. 6527. Oct. 6, 1967. 9 p.
- 16296 742. Amend D.C. industrial safety act. Report from Committee on District of Columbia to accompany H.R. 11638. Oct. 6, 1967. 8 p.
- 16297 743. Amendment of Commodity exchange act. Report from Committee on Agriculture to accompany H.R. 13094. Oct. 6, 1967. 27 p.
- 16298 744. Library services and construction act amendments. Report from Committee on Education and Labor to accompany H.R. 13048. Oct. 9, 1967. 7 p.
- 16299 745. Safety of Capitol buildings and grounds. Report together with minority views from Committee on Public Works to accompany H.R. 13178. Oct. 9, 1967. 27 p.
- 16300 746. Department of Agriculture and related agencies appropriation, 1968. Conference report to accompany H.R. 10509. Oct. 9, 1967. 12 p.

Agriculture Committee, House Washington, D.C. 20515

[Committee hearings] serial, 90th Congress. † ● Item 1010

- 16301 S. Cotton storage costs, hearing before Subcommittee on Cotton, 90th Congress, 1st session, July 13, 1967. 1967. iii+27 p. Y 4.Ag 8/1: C 82/50
L.C. card 67-62607
- 16302 T. Amend Commodity exchange act, hearings, 90th Congress, 1st session, on H.R. 11930 and H.R. 12317, Aug. 15-Sept. 11, 1967. 1967. iii+165 p. Y 4.Ag 8/1: C 73/5/967
L.C. card 67-62586
- 16303 W. Miscellaneous land transfers and ragweed eradication, hearings before Subcommittee on Departmental Oversight, 90th Congress, 1st session, on H.R. 472, H.R. 547, H.R. 755, H.R. 2097, H.R. 3632, H.R. 10442, and H.R. 11527, June 8-Aug. 9, 1967. ii+52 p. Y 4.Ag 8/1: I 22/4
L.C. card 67-62613

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

Appropriations Committee, House *Washington, D.C. 20515*

- 16304 Foreign assistance and related agencies appropriations for 1968, hearings before subcommittee, 90th Congress, 1st session. † ● Item 1011
L.C. card 67-62403 Y 4.Ap 6/1 : F 76/3/968/pt.2
pt. 2. Economic assistance. 1967. ii+1802+xxii p. ii.
- 16305 Military construction appropriations for 1968, hearings before subcommittee, 90th Congress, 1st session. † ● Item 1011
L.C. card 67-62300 Y 4.Ap 6/1 : M 59/6/968/pt. (nos.)
pt. 3. Department of Air Force. 1967. ii+667+vi p.
pt. 4. Department of Army, homeowners assistance fund, DOD, housing policy, DOD, Ioran stations, Reserve Forces, revised obligation and expenditure program, Southeast Asia, testimony of Members of Congress and other interested individuals and organizations. 1967. ii+769+vi p. ii.

Armed Services Committee, House *Washington, D.C. 20515*

[Papers], 90th Congress. † ● Item 1012 Y 4.Ar 5/2a : 967-68/ (nos.)

NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 16306 18. Dental care needs of military dependents, hearings before Special Subcommittee on Military Dental Care, 90th Congress, 1st session, July 25 and 26, 1967. [1967.] cover title, 4187-4430+ii p. ii.
L.C. card 67-62404
- 16307 20. Hearings before subcommittee no. 3, 90th Congress, 1st session, on S. 223, to authorize disposal of Government-owned long-lines communication facilities in Alaska, and for other purposes, Aug. 7 and 14, 1967. [1967.] ii+5021-5139+1 p. ii.
- 16308 21. Subcommittee no. 1 hearing on H.R. 11767, to authorize Secretary of Navy to adjust legislative jurisdiction exercised by United States over lands comprising U.S. Naval Station, Long Beach, Calif. [1967.] p. 5141-44.
- 16309 22. Subcommittee no. 3 hearings on H.R. 4903, to amend act providing for economic and social development in Ryukyu Islands. [1967.] p. 5145-5207.
- 16310 23. Subcommittee no. 1 hearing on title 4 (to establish Navy Judge Advocate General's Corps) of H.R. 226, to amend Uniform code of military justice to broaden protections afforded to members of Armed Forces, and for other purposes. [1967.] p. 5209-40, ii.
- 16311 24. Subcommittee no. 4 hearings on H.R. 4772, H.R. 5943, and H.R. 8547, Aug. 23, 1967. [1967.] p. 5241-96.
- 16312 25. Full committee consideration of H.R. 12910, H.R. 11767, H.R. 4903, S. 223, H.R. 4772, H.R. 5943, and H.R. 9796, to authorize extension of certain naval vessel loans now in existence, and for other purposes. [1967.] p. 5297-5320.
- 16313 30th report to Congress (Jan. 1-June 30, 1967) of Department of Defense in accordance with sec. 2455, title 10, U.S.C. (formerly sec. 8 of Public law 426, 82d Congress), on Defense cataloging and standardization act of 1952, report of Subcommittee for Special Investigations, 90th Congress, 1st session; Aug. 21, 1967. 1967. iii+12 p. (Committee print.) ‡
L.C. card 53-60980 Y 4.Ar 5/2 : D 36/2/967

Banking and Currency Committee, House *Washington, D.C. 20515*

- 16314 Export-Import Bank and credit sales of defense articles, hearing, 90th Congress, 1st session, on H.R. 6649, July 17, 1967. 1967. ii+73 p. †
● Item 1013
L.C. card 67-62396 Y 4.B 22/1 : Ex 7/10/967-3
- 16315 National flood insurance act of 1967, hearings before Subcommittee on Housing, 90th Congress, 1st session, on H.R. 11197, Aug. 15-Sept. 21, 1967. 1967. v+253 p. ii. † ● Item 1013
L.C. card 67-62589 Y 4.B 22/1 : F 65
- 16316 Savings and loan holding company amendments of 1967, hearings before Subcommittee on Domestic Finance, 90th Congress, 1st session, on H.R. 1322, H.R. 8696, and H.R. 12025, Aug. 21 and 22, 1967. 1967. v+202 p. ii. † ● Item 1013
L.C. card 67-62602 Y 4.B 22/1 : Sa 9/2/967

♠For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 27

GOVERNMENT PUBLICATIONS

- 16317 To amend Export-Import act of 1945, supplemental hearings, 90th Congress, 1st session, on H.R. 6649, Sept. 12 and 13, 1967. 1967. iii+84 p. †
 ● Item 1013
 L.C. card 67-62605 Y 4.B 22/1: Ex 7/10/967-2

District of Columbia Committee, House *Washington, D.C. 20515*

- 16318 Air pollution, hearings before subcommittee no. 2, 90th Congress, 1st session, on H.R. 6981, H.R. 10017, and H.R. 12232, Aug. 10 and 16, 1967. 1967. iv+103 p. il. † ● Item 1014
 L.C. card 67-62398 Y 4.D 63/1: Ai 7/2
- 16319 Optometry, hearing before subcommittee no. 5, 90th Congress, 1st session on H.R. 595 [and similar bills], Aug. 14-18, 1967. 1967. iv+358 p. †
 ● Item 1014
 L.C. card 67-62395 Y 4.D 63/1: Op 7/967
- 16320 Safety standards in employment, hearings before subcommittee no. 5, 90th Congress, 1st session, on H.R. 1264, Apr. 28 and May 4, 1967. 1967. lii+67 p. † ● Item 1014
 L.C. card 67-62601 Y 4.D 63/1: Sa 1

Education and Labor Committee, House *Washington, D.C. 20515*

- 16321 Bilingual education programs, hearings before General Subcommittee on Education, 90th Congress, 1st session, on H.R. 9840 and H.R. 10224, June 28 and 29, 1967. 1967. viii+584 p. il. † ● Item 1015
 L.C. card 67-62588 Y 4.Ed 8/1: B 49
- 16322 Department of Defense education of dependents overseas, report by Investigating Committee of General Subcommittee on Labor; Apr. 1967. 1967. v+36 p. (Committee print, 90th Congress, 1st session.) †
 L.C. card 67-62510 Y 4.Ed 8/1: Ed 8/29/967
- 16323 Impact of imports on American industry and employment, hearings before General Subcommittee on Labor, 90th Congress, 1st session, on H.R. 478 and 479. † ● Item 1015
 L.C. card 67-62596 Y 4.Ed 8/1: Im 7/pt. (nos.)
 pt. 1. Apr. 5-May 17, 1967. 1967. vii+1-555 p. il.
 pt. 2. May 18-July 27, 1967. 1967. viii+557-1134 p. il.
- 16324 Juvenile delinquency prevention act of 1967, hearings before General Subcommittee on Education, 90th Congress, 1st session, on H.R. 7642, May 2-22, 1967. 1967. vii+671 p. il. † ● Item 1015
 L.C. card 67-62590 Y 4.Ed 8/1: J 98/5
- 16325 Public safety agency employment data, hearings before Select Subcommittee on Labor, 90th Congress, 1st session, on H.R. 4996, July 20, 1967. 1967. iii+160 p. il. † ● Item 1015
 L.C. card 67-62599 Y 4.Ed 8/1: P 96/7

Foreign Affairs Committee, House *Washington, D.C. 20515*

- 16326 Peace Corps act amendment of 1967, hearings, 90th Congress, 1st session, on S. 1031, Sept. 19 and 26, 1967. 1967. iii+82 p. il. † ● Item 1017
 L.C. card 67-62578 Y 4.F 76/1: P 31/7/967

Government Operations Committee, House *Washington, D.C. 20515*

- 16327 Control and use of excess property and related foreign assistance problems following U.S. military exclusion from France, 1966-67, hearings before subcommittee, 90th Congress, 1st session, May 16-June 1, 1967. 1967. v+377 p. il. † ● Item 1016
 L.C. card 67-62593 Y 4.G 74/7: P 94/6

*For Sale by Superintendent of Documents
 †Distribution Made by Issuing Office
 ‡Official Use. Not Available

- 16328 Data processing management in Federal Government, hearings before subcommittee, 90th Congress, 1st session, July 18-20, 1967. iv+384 p. il.
 † ● Item 1016
 L.C. card 67-62361 Y 4.G 74/7: D 26
- 16329 Search and rescue operations for U.S. private pilots missing in foreign areas, hearing before subcommittee, 90th Congress, 1st session, Aug. 8, 1967. 1967. iii+98 p. il. † ● Item 1016
 L.C. card 67-62622 Y 4.G 74/7: Se 1
- 16330 Support service contracts, hearing before subcommittee, 90th Congress, 1st session, June 21, 1967. 1967. iii+93 p. † ● Item 1016
 L.C. card 67-62604 Y 4.G 74/7: C 76/4
- 16331 Travel expenses of Government employees, hearing before subcommittee, 90th Congress, 1st session, on H.R. 7113, Sept. 13, 1967. 1967. iii+29 p. † ● Item 1016
 L.C. card 67-62684 Y 4.G 74/7: T 69/2/967

Judiciary Committee, House
 Washington, D.C. 20515

- [Committee hearings] serial, 90th Congress.
- 16332 7. Providing Monday holidays, hearings before subcommittee no. 4, 90th Congress, 1st session, on H.R. 1292 and H.R. 11679, Aug. 16, 17, 1967. 1967. iv+128 p. * Paper, 35c. ● Item 1020
 L.C. card 67-62363 Y 4.J89/1: 90-7
- 16333 District of Columbia code, annotated, containing laws, general and permanent in their nature, relating to or in force in District of Columbia (except such laws as are of application in District of Columbia by reason of being general and permanent laws of United States), in force on Jan. 9, 1967, notes to decisions through Dec. 1966. 1967 edition. 1967. * Fabrikoid, \$19.25 per set of 3 vols. ● Item 990
 L.C. card 67-61869 Y 4.J89/1: D63/24/967/v.1-3
 v. 1. Title 1, Administration, to title 17, Review. xc+1-955 p. large 8°
 v. 2. Title 18, Wills and probate of wills, to title 40, Motor vehicles. xvi+957-1973 p. large 8°
 v. 3. Title 41, Partnerships, to title 49, Compilation and construction of code, Tables and Index. xvi+1975-2934 p. large 8°
- 16334 Report of Special Subcommittee on Application of Uniform Code of Military Justice to American Civilians in Republic of Vietnam; June 1967. 1967. ii+11 p. (Committee print, 90th Congress, 1st session.) †
 L.C. card 67-62514 Y 4.J89/1: V 67

Merchant Marine and Fisheries Committee, House
 Washington, D.C. 20515

- [Committee hearings] serial, 90th Congress. † ● Item 1021
 Y 4.M53: 90--(nos.)
- 16335 9. Independent Federal Maritime Administration, hearings before Subcommittee on Merchant Marine, 90th Congress, 1st session, on H.R. 159 and 105 identical and similar bills, July 12-Aug. 1, 1967. 1967. vi+623 p.
 L.C. card 67-62394
- 16336 10. Migratory waterfowl regulations, 1967-68, hearing before Subcommittee on Fisheries and Wildlife Conservation, 90th Congress, 1st session, on wildlife conservation as it would relate to migratory waterfowl regulations, Aug. 10, 1967. 1967. v+127 p. il.
 L.C. card 67-62597
- 16337 11. Federal Maritime Commission, legislation and activities report, hearings before Subcommittee on Merchant Marine, 90th Congress, 1st session, on H.R. 4231 and S. 706, H.R. 4329, H.R. 9473, report on activities of Federal Maritime Commission in administration of Shipping act, 1916, as amended, Aug. 15, 16, 1967. 1967. iv+139 p. il.
 L.C. card 67-62595

Post Office and Civil Service Committee, House
 Washington, D.C. 20515

- 16338 Civil post offices at military installations, summary of adequacy of civil post offices at military installations within United States; July 7, 1967. 1967. iii+6 p. (Committee print 4, 90th Congress, 1st session.) †
 L.C. card 67-62515 Y 4.P84/10: M 59/3
 [Committee hearings] serial, 90th Congress.

GOVERNMENT PUBLICATIONS

- 16339 18. Supergrade requirements, hearings before Subcommittee on Manpower and Civil Service, 90th Congress, 1st session, on H.R. 10376, H.R. 6715, June 13-July 27, 1967. 1967. iv+140 p. il. † ● Item 1022
L.C. card 67-62350 Y 4.P84/10:90-18

Public Works Committee, House Washington, D.C. 20515

[Committee publication], 90th Congress. † Y 4.P96/11:90-(nos.)

- 16340 90-9. Highway relocation assistance study, transmitted by Secretary of Department of Transportation to Congress, as required by Federal-aid highway act of 1966 (Public law 89-574, 89th Cong., Sept. 13, 1966); July 1967. 1967. viii+235 p. il. (Committee print.)
L.C. card 67-62513
- 16341 90-10. National Visitors Center, report of National Visitors Center Study Commission, Sept. 1967; [edited by Lois Greulich Jackson]. 1967. iii+56 p. il. (Committee print.)
L.C. card 67-62686

Science and Astronautics Committee, House Washington, D.C. 20515

- 16342 Applied science and technological progress, report by National Academy of Sciences [articles, with bibliographies]. June 1967. ix+434 p. il. ([Committee print.]) * Paper, \$1.50.
L.C. card 67-62725 Y 4.Sci 2:Sci 2/3
- 16343 Junior college and education in the sciences, report of National Science Foundation to Subcommittee on Science, Research, and Development, 90th Congress, 1st session. 1967. x+103 p. il. (Serial H, committee print.) †
L.C. card 67-62512 Y 4.Sci 2:90-1/H

Veterans' Affairs Committee, House Washington, D.C. 20515

- 16344 Lack of implementation of Public law 89-785 (medical education) by VA Department of Medicine and Surgery, hearings before Subcommittee on Hospitals, 90th Congress, 1st session, Aug. 28 and 29, 1967. 1967. iii+1931-2024 p. † ● Item 1027
L.C. card 67-62354 Y 4.V64/3:M 46/16
- 16345 State veterans' laws, digests of State laws regarding rights, benefits, and privileges of veterans and their dependents, revised to July 1, 1967; [prepared by Office of General Counsel of Veterans' Administration]. 1967. v+277 p. (House committee print 99, 90th Congress, 1st session.) [Includes State enactments through 1967 sessions of legislatures. Brings up to date and supplements 1960 compilation published as House committee print 265, 86th Cong. 2d sess.] * Paper, 65c.
L.C. card 67-62720 Y 4.V64/3:L 41/2/967

Ways and Means Committee, House Washington, D.C. 20515

- 16346 Section-by-section analysis and explanation of provisions of H.R. 5710, Social security amendments of 1967, as introduced on Feb. 20, 1967, together with other material; prepared and furnished by Department of Health, Education and Welfare. 1967. iii+91 p. il. (Committee print, 90th Congress, 1st session.) †
L.C. card 67-62728 Y 4.W36:So 1/24/967-2

SENATE Washington, D.C. 20510

Senate documents

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the Issuing office.

Senate documents, 90th Congress.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16347 31. National Academy of Sciences, National Research Council, annual report, fiscal year 1963-64. [1967.] vii+276 p. * (Available in departmental edition, \$1.00, NA 1.1:964 and sent to depositories in that form. See Entry no. 16876.)
- 16348 47. Automotive air pollution, 6th report of Secretary of Health, Education, and Welfare to Congress in Compliance with Public law 88-206 as amended by Public law 89-272, June 1967 [with list of references]; Aug. 31, 1967. 1967. iii+13 p. il. * Paper, 10c. ● Item 996
L.C. card 65-60651
- 16349 48. Wastes from watercraft, report of Department of Interior, Federal Water Pollution Control Administration to Congress in compliance with sec. 17, Public law 89-753, Aug. 7, 1967 [with bibliography]; Aug. 31, 1967. 1967. iii+62 p. * Paper, 20c. ● Item 996
L.C. card 67-62699
- 16350 50. Amendments to budget, Department of Transportation, fiscal year 1968. Sept. 20, 1967. 3 p. † ● Item 996

Senate executive documents

Senate executive document, 90th Congress, 1st session.

- 16351 N. Income-tax convention with France, message from President of United States transmitting convention between United States and French Republic with respect to taxes on income, signed at Paris, July 28, 1967; Oct. 3, 1967. 1967. vii+20 p. †
Y 1.90/1: N

Senate executive reports

Senate executive report, 90th Congress, 1st session.

- 16352 15. Consular convention with France, Report from Committee on Foreign Relations to accompany Ex. I, 90th Cong., 1st sess. Sept. 13, 1967. 18 p. †
Y 1.90/1: rp.15

Senate reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 90th Congress. † Senate Document Room, Capitol. ● Item 1008-B

- 16353 458. Duty-free entry of carillon for Northfield and Mount Hermon Schools. Report from Committee on Finance to accompany H.R. 1566. July 31, 1967. 2 p.
- 16354 459. Duty-free entry of mass spectrometer and rheogoniometer for Princeton University. Report from Committee on Finance to accompany H.R. 1886. July 31, 1967. 2 p.
- 16355 460. Duty-free entry of carillon for University of California. Report from Committee on Finance to accompany H.R. 3737. July 31, 1967. 2 p.
- 16356 461. Duty-free entry of mass spectrometer for Indiana University. Report from Committee on Finance to accompany H.R. 4934. July 31, 1967. 2 p.
- 16357 462. Duty-free entry of triaxial apparatus and rheogoniometer for Northwestern University. Report from Committee on Finance to accompany H.R. 4977. July 31, 1967. 2 p.
- 16358 463. Duty-free entry of ship model for Lutheran Church of the Covenant, Maple Heights, Ohio. Report from Committee on Finance to accompany H.R. 3029. July 31, 1967. 2 p.

Senate reports on public bills, 90th Congress. † Senate Document Room, Capitol. ● Item 1008-A

- 16359 399. Authorizing printing as House document of certain maps and indicia relating to Vietnam and Asian continent. Report from Committee on Rules and Administration to accompany H. Con. Res. 253. July 13, 1967. 2 p.
- 16360 341. Walt Disney gold medal. Report from Committee on Banking and Currency to accompany S.J. Res. 93. Aug. 25, 1967. 6 p.
- 16361 543. Required meetings of Marketing Research Advisory Committee. Report from Committee on Agriculture and Forestry to accompany S. 1477. Aug. 28, 1967. 3 p.
- 16362 559. Authorizing printing of report entitled Manpower and training needs of States and of local governments in water pollution control as Senate document. Report from Committee on Rules and Administration to accompany S. Res. 158. Aug. 30, 1967. 2 p.
- 16363 562. Authorizing printing of report of proceedings of 43d biennial meeting of Convention of American Instructors of the Deaf as Senate document. Report from Committee on Rules and Administration to accompany S. Con. Res. 40. Sept. 8, 1967. 3 p.
- 16364 563. Economic opportunity amendments of 1967. Report of Committee on Labor and Public Welfare on S. 2388 together with individual and supplemental views; Sept. 12, 1967. 1967. vi+223 p.
- 16365 564. Impact of crime on small business. Report of Select Committee on Small Business, on impact of crime on small business in Washington, D.C. area, together with individual views; Sept. 18, 1967. 1967. iii+12 p.

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Senate reports on public bills, 90th Congress—Continued

- 16366 565. Vocational rehabilitation amendments of 1967. Report from Committee on Labor and Public Welfare to accompany H.R. 12257. Sept. 18, 1967. 12 p.
- 16367 566. Extension of time for filing report of Commission on Urban Problems. Report from Committee on Banking and Currency to accompany S.J. Res. 112. Sept. 20, 1967. 2 p.
- 16368 567. Cost sharing on public fish and wildlife or recreational developments in resource and conservation development projects. Report from Committee on Agriculture and Forestry to accompany S. 852. Sept. 20, 1967. 6 p.
- 16369 568. Rice marketing excess, delivery to Commodity Credit Corporation. Report from Committee on Agriculture and Forestry to accompany S. 2195. Sept. 20, 1967. 3 p.
- 16370 569. Purchase of land from Texas Southmost College. Report from Committee on Agriculture and Forestry to accompany H.R. 472. Sept. 20, 1967. 2 p.
- 16371 570. Military construction authorization for fiscal year 1968. Report from Committee on Armed Services to accompany H.R. 11722. Sept. 21, 1967. 85 p.
- 16372 571. Departments of State, Justice, and Commerce, the judiciary, and related agencies appropriation bill, 1968. Report from Committee on Appropriations to accompany H.R. 10345. Sept. 26, 1967. 47 p.
- 16373 572. Department of Transportation appropriation bill, 1968. Report from Committee on Appropriations to accompany H.R. 11456. Sept. 28, 1967. 21 p.
- 16374 576. Water carrier mixing rule exemption. Report from Committee on Commerce to accompany S. 1314. Sept. 29, 1967. 16 p.
- 16375 577. Riots, civil and criminal disorders. Interim report of Committee on Government Operations made by its Permanent Subcommittee on Investigations; Oct. 2, 1967. 1967. ii+2 p.
- 16376 578. Transportation of mail by sea. Report from Committee on Post Office and Civil Service to accompany H.R. 3979. Oct. 2, 1967. 4 p.
- 16377 581. Increasing size of National Highway Safety Advisory Committee. Report from Committee on Public Works to accompany S. 1552. Oct. 6, 1967. 6 p.
- 16378 582. Amending act to provide for compulsory school attendance, for taking of school census in District of Columbia, and for other purposes. Report from Committee on District of Columbia to accompany S. 768. Oct. 6, 1967. 2 p.
- 16379 583. Amending act approved Apr. 20, 1966, as amended, providing for establishment of crematorium in District of Columbia. Report from Committee on District of Columbia to accompany S. 770. Oct. 6, 1967. 3 p.
- 16380 584. Raising maximum age limit of schoolchildren entitled to transportation in District of Columbia at reduced fare. Report from Committee on District of Columbia to accompany S. 1631. Oct. 6, 1967. 3 p.
- 16381 585. Amending District of Columbia public school food services act. Report from Committee on District of Columbia to accompany S. 2012. Oct. 6, 1967. 4 p.
- 16382 587. Establishment of register of blind persons in District of Columbia. Report from Committee on District of Columbia to accompany S. 1224. Oct. 6, 1967. 3 p.
- 16383 588. Authorizing Commissioners of District of Columbia to establish and administer plan to provide for care and protection of children through public day care services, and to provide public assistance in form of foster home care to certain dependent children. Report from Committee on District of Columbia to accompany S. 318. Oct. 6, 1967. 5 p.
- 16384 589. Exemption from licensing requirements for physicians and dentists employed by District of Columbia. Report from Committee on District of Columbia to accompany H.R. 3973. Oct. 6, 1967. 7 p.
- 16385 590. Payroll deductions for Federal employees. Report from Committee on Banking and Currency to accompany S. 1084. Oct. 9, 1967. 4 p.
- 16386 591. Modernization of Federal credit union loan and dividend procedures. Report from Committee on Banking and Currency to accompany S. 1085. Oct. 9, 1967. 4 p.

Agriculture and Forestry Committee, Senate Washington, D.C. 20510

- 16387 Cooperative extension services in District of Columbia, hearing before subcommittee, 90th Congress, 1st session, on S. 2105, Sept. 26, 1967. 1967. iii+56 p. † ● Item 1032
L.C. card 67-62579 Y 4.Ag 8/2: Ex 8/2

Appropriations Committee, Senate Washington, D.C. 20510

- 16388 Department of Defense appropriations for fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 10738. L.C. card 60-61493 Y 4.Ap 6/2: D 36/4/968/pt.3
pt. 3. [F-111B aircraft program.] 1967. ii+975-1086+iii p. † ● Item 1033
- 16389 Department of Transportation appropriations for fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 11456. 1967. ii+722+xvi p. il. † ● Item 1033
L.C. card 67-62594 Y 4.Ap 6/2: T 68/2/968

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 16390 Departments of State, Justice, and Commerce, judiciary, and related agencies appropriations for fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 10345. 1967. ii+1137+xxii p. il. †
● Item 1033
L.C. card 60-61699 Y 4.Ap 6/2: St 2/968
- 16391 Military construction authorization, fiscal year 1968, joint hearings. See Armed Services Committee, Senate.
- 16392 National Aeronautics and Space Administration appropriations for fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 12474. 1967. ii+209+x p. il. † Item 1033
L.C. card 67-62598 Y 4.Ap 6/2: N 21ae/2/968
- 16393 Public works and Atomic Energy Commission appropriations for fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 11641. † ● Item 1033 Y 4.Ap 6/2: P 96/3/968/pt. (nos.)
[pt. 1.] [Civil functions, Department of Army.] 1967. iii+1887+ii p.
[pt. 2.] [Civil functions, Department of Army.] 1967. ii+1889-3515+ii p.
[pt. 3.] [Bureau of Reclamation, Interior power activities.] 1967. ii+968+xiii p. il. 3 maps, 3 tab.
[pt. 4.] [Tennessee Valley Authority, Atomic Energy Commission.] 1967. ii+85+v p.

Armed Services Committee, Senate
Washington, D.C. 20510

- 16394 Air war against North Vietnam, hearings before Preparedness Investigation Subcommittee, 90th Congress, 1st session. † ● Item 1034
L.C. card 67-62358 Y 4.Ar 5/3: V 67/pt. (nos.)
pt. 1. Testimony of Adm. Ulysses G. Sharp, Navy, Commander in Chief, Pacific, Aug. 9 and 10, 1967. 1967. iii+121 p.
pt. 2. Testimony of Gen. Earle G. Wheeler, Army, Chairman, Joint Chiefs of Staff, and Lt. Gen. William W. Momyer, Air Force, Commander, 7th Air Force, Aug. 16, 1967. 1967. ii+123-197 p.
pt. 3. Testimony of Gen. John P. McConnell, Chief of Staff, Air Force, and Adm. T. H. Moorer, Chief of Naval Operations, Aug. 22 and 23, 1967. 1967. iii+199-271 p.
pt. 4. Testimony of Robert S. McNamara, Secretary of Defense, Aug. 25, 1967. 1967. iii+273-382 p.
pt. 5. Testimony of Gen. Harold K. Johnson, Chief of Staff, Army, Gen. Wallace M. Greene, Commandant, Marine Corps, Maj. Gen. Gilbert L. Meyers, USAF (retired), Aug. 28 and 29, 1967. 1967. iii+383-515 p.
- 16395 Military construction authorization, fiscal year 1968, joint hearings before Subcommittees on Military Construction of Committee on Armed Services and Committee on Appropriations, Senate, 90th Congress, 1st session, on S. 1241 (H.R. 11722), July 11-25, 1967. 1967. ii+766 p. il. † ● Item 1034 and 1033 Y 4.Ar 5/3: C 76/9/968

Banking and Currency Committee, Senate
Washington, D.C. 20510

- 16396 Bank underwriting of revenue bonds, hearings before Subcommittee on Financial Institutions, 90th Congress, 1st session, on S. 1306, Aug. 28-Sept. 12, 1967. 1967. ix+361 p. il. † ● Item 1035
L.C. card 67-62592 Y 4.B 22/3: B 22/15
- 16397 Prohibition on use of financial institutions as lottery agencies, hearing before Subcommittee on Financial Institutions, 90th Congress, 1st session, on H.R. 10595, Aug. 18, 1967. 1967. iii+73 p. il. † ● Item 1035
L.C. card 67-62359 Y 4.B 22/3: L 91

Commerce Committee, Senate
Washington, D.C. 20510

[Committee hearings] serial, 90th Congress. ● Item 1041
Y 4.C 73/2: 90-(nos.)

- 16398 20. Amending sec. 22 of Interstate commerce act, hearings before Subcommittee on Surface Transportation, 90th Congress, 1st session, on S. 754 and S. 1174, June 5 and 6, 1967. 1967. iv+151 p. †
L.C. card 67-62400

☛For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

[Committee hearings] serial, 90th Congress—Continued

- 16399 21. Water carrier mixing rule exemption, hearings before Subcommittee on Surface Transportation, 90th Congress, 1st session, on S. 1314, June 28 and 29, 1967. 1967. iv+109 p. il. †
L.C. card 67-62391
- 16400 22. Projections, predictions of election results and political broadcasting (sec. 315, Communications act), hearings before Subcommittee on Communications, 90th Congress, 1st session, on S. 1548, S. 1859, S. 2090, and S. 2128, July 18-20, 1967. 1967. iv+369 p. il. †
- 16401 23. Federal Power Commission jurisdiction, hearings, 90th Congress, 1st session, on S. 1365, June 6-28, 1967. 1967. iv+329 p. il. †
L.C. card 67-62585
- 16402 24. Riot insurance, hearing, 90th Congress, 1st session, on S.J. Res. 102 and amendments in nature of substitute, Aug. 29, 1967. 1967. iii+122 p. il. †
- 16403 25. Natural gas pipeline safety regulations, hearings, 90th Congress, 1st session, on S. 1166, Apr. 19-Aug. 3, 1967. 1967. v+426 p. il. * Paper, \$1.25.
L.C. card 67-62587
- 16404 Supplement to committee print of draft bill entitled Marine safety and seamen's welfare act of 1967; Aug. 1967. 1967. xiv+301 p. (Committee print, 90th Congress, 1st session.) †
L.C. card 67-62719

Y 4.C 73/2 : M 33/3

District of Columbia Committee, Senate Washington, D.C. 20510

- 16405 District of Columbia hospital and health facility construction and modernization, hearing before Subcommittee on Public Health, Education, Welfare, and Safety, 90th Congress, 1st session, on S. 1228, Aug. 21, 1967. 1967. iv+114 p. † ● Item 1036
L.C. card 67-62387
- 16406 Problems of air pollution in District of Columbia, hearings before Subcommittee on Business and Commerce, 90th Congress, 1st session, on S. 1941. 1967. iv+835-909 p. † ● Item 1036
L.C. card 67-61590
- 16407 Use of air space in District of Columbia, hearings before Subcommittee on Business and Commerce, 90th Congress, 1st session, on S. 1245, S. 1246, and S. 1247, July 25 and 27, 1967. 1967. v+157 p. il. † ● Item 1036
L.C. card 67-62666

Y 4.D63/2 : H 79/4

Y 4.D 63/2 : Ai 7/2/pt.2

Y 4.D63/2 : Ai 7/3

Finance Committee, Senate Washington, D.C. 20510

- 16408 Political campaign financing proposals, hearings, 90th Congress, 1st session, June 1-9, 1967. 1967. v+513 p. * Paper, \$1.50. ● Item 1038
L.C. card 67-62617
- 16409 Social security amendments of 1967, hearings, 90th Congress, 1st session, on H.R. 12080. ● Item 1038
L.C. card 67-62386

Y 4.F49 : P 75/967

Y 4.F49 : So 1/8/967/pt. (nos.)

pt. 2. Aug. 28-Sept. 19, 1967. 1967. vii+737-1536 p. * Paper, \$2.25.
pt. 3. Sept. 20-26, 1967. 1967. xxxviii+1537-2053+1292 p. * Paper, \$2.25.

Foreign Relations Committee, Senate Washington, D.C. 20510

- 16410 Human rights conventions, hearings, 90th Congress, 1st session, on Executive J, 88th Congress, 1st session, Convention on political rights of women, Executive K, 88th Congress, 1st session, Convention concerning abolition of forced labor, Executive L, 88th Congress, 1st session, Supplementary slavery convention. ● Item 1039

Y 4.F76/2 : H 88/pt.2

pt. 2. Sept. 13, 1967. 1967. iii+126 p. †

Government Operations Committee, Senate Washington, D.C. 20510

- 16411 Criteria for evaluation in planning State and local programs, study [with selected bibliography : by Harry P. Hatry], submitted by Subcommittee

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

on Intergovernmental Relations (pursuant to S. Res. 55, 90th Cong.) ; July 21, 1967. 1967. ix+42 p. (Committee print, 90th Congress, 1st session.) ‡

L.C. card 67-62509

Y 4.G74/6: P 94/3

- 16412 Errata sheet, hearings on Federal role in urban affairs, pt. 1, Aug. 15 and 16, 1966. [1967.] 1 p. † ● Item 1037 Y 4.G74/6: Ur 1/4/pt.1/errata

- 16413 Federal role in urban affairs, hearings before Subcommittee on Executive Reorganization, 90th Congress, 1st session. ● Item 1037

L.C. card 67-60155

Y 4.G74/6: Ur 1/4/pt.(nos.)

pt. 15. Apr. 18, 1967. 1967. iv+3035-3244 p. ll. 4 tab. * Paper, \$1.00.

pt. 17. Apr. 20 and 21, 1967. 1967. iv+3441-3625 p. ll. * Paper, 50c.

pt. 16. Apr. 19, 1967. 1967. iii+3245-3439 p. * Paper, 55c.

- 16414 Periodic congressional reassessment of Federal grants-in-aid to State and local governments; prepared by Advisory Commission on Intergovernmental Relations for Subcommittee on Intergovernmental Relations; July 10, 1967. 1967. ix+33 p. (Committee print, 90th Congress, 1st session.) [Report of Commission adopted June 1961, revised to include fiscal data as of Jan. 1967.] ‡

L.C. card 67-62511

Y 4.G74/6: G 76/3

- 16415 Planning-programming-budgeting, initial memorandum; prepared by Subcommittee on National Security and International Operations, pursuant to S. Res. 54, 90th Cong. 1967. v+8 p. (Committee print, 90th Congress, 1st session.) † ● Item 1037

L.C. card 67-62516

Y 4.G74/6: P 96/3

- 16416 Population crisis, hearings before Subcommittee on Foreign Aid Expenditures, 89th Congress, 2d session, on S. 1676. ● Item 1037

L.C. card 67-60617

Y 4.G74/6: P 81/966/pt.6

pt. 6. Index. 1966; [prepared by Tillis H. Brown, jr.]. 1967. v+310 p. *Paper, 75c.

Interior and Insular Affairs Committee, Senate
Washington, D.C. 20510

- 16417 Sawtooth National Recreation Area, hearing before Subcommittee on Parks and Recreation, 90th Congress, 1st session, on S. 1267, Aug. 23, 1967. 1967. iv+75 p. † ● Item 1040

L.C. card 67-62603

Y 4.In8/13: Sa 9/2/967

- 16418 Southwest Idaho water development project, hearing before Subcommittee on Water and Power Resources, 90th Congress, 1st session, on S. 697, Aug. 15, 1967. 1967. iv+69 p. † ● Item 1040

L.C. card 67-62606

Y 4.In8/13: Id 1

Judiciary Committee, Senate
Washington, D.C. 20510

- 16419 Antiriot bill, 1967, hearings, 90th Congress, 1st session, on H.R. 421. L.C. card 67-62299

Y 4.J89/2: An 8/18/pt.2

pt. 2. Aug. 21-30, 1967. 1967. iii+589-873 p. * Paper, 70c. ● Item 1042

- 16420 Bankruptcy legislation 1967, hearing before special subcommittee, 90th Congress, 1st session, on S. 578, S. 1316, H.R. 2517, H.R. 2518 and H.R. 2519, Apr. 3, 1967. 1967. iii+86 p. † ● Item 1042

L.C. card 67-62378

Y 4.J89/2: B 22/13/967

- 16421 Copyright law revision, hearings before Subcommittee on Patents, Trademarks, and Copyrights, 90th Congress, 1st session, pursuant to S. Res. 37 on S. 597. † ● Item 1042

L.C. card 67-62380

Y 4.J89/2: C 79/4/967/pt.(nos.)

pt. 1. Mar. 15-17, 1967. 1967. iii+1-320 p.

pt. 2. Mar. 20-Apr. 4, 1967. 1967. iii+321-663 p. ll.

- 16422 Crises in Federal courts, hearings before Subcommittee on Improvements in Judicial Machinery, 90th Congress, 1st session, on administration of Jus-

GOVERNMENT PUBLICATIONS

tice in Federal court system and S. 915 and H.R. 6111, Apr. 25-Sept. 8, 1967. 1967. vi+466 p. il. † ● Item 1042
L.C. card 67-62608 Y 4.J89/2: F 31/10

- 16423 Federal jury selection, hearings before Subcommittee on Improvements in Judicial Machinery, 90th Congress, 1st session, on S. 383 [and other bills], Mar. 21-July 20, 1967. 1967. vii+1-592d, 593-689b, 690-1262 p. † ● Item 1042
L.C. card 67-62609 Y 4.J89/2: J 97/10

- 16424 Possible anticompetitive effects of sale of network TV advertising, hearings before Subcommittee on Antitrust and Monopoly, 89th Congress, 2d session, pursuant to S. Res. 191.
L.C. card 67-61601 Y 4.J89/2: Ad 9/pt.2
pt. 2. Dec. 12-14, 1966. 1967. iv+515-1387 p. † ● Item 1042

- 16425 Prices of quinine and quinidine, hearings before Subcommittee on Antitrust and Monopoly, 90th Congress, 1st session, pursuant to S. Res. 26.
L.C. card 66-62489 Y 4.J89/2: Q 4/pt.2
pt. 2. Mar. 22 and 23, 1967. 1967. iii+171-781 p. il. † ● Item 1042

Labor and Public Welfare Committee, Senate Washington, D.C. 20510

- 16426 Education legislation, 1967, hearings before Subcommittee on Education, 90th Congress, 1st session, on S. 1126. ● Item 1043
L.C. card 67-61759 Y 4.L11/2: Ed 8/22/967/pt.2
pt. 2. Apr. 26, 1967. 1967. iv+543-907 p. il. [Hearings held at Eugene, Oreg.] †

- 16427 Examination of war on poverty, hearings before Subcommittee on Employment, Manpower, and Poverty, 90th Congress, 1st session, on S. 1545 and related bills. † ● Item 1043
L.C. card 67-61640 Y 4.L11/2: P 86/4/pt. (nos.)
pt. 9. June 22-28, 1967. 1967. vi+2693-3026 p. il.
pt. 10. July 10-18, 1967. 1967. vi+3027-3435 p. il.
pt. 11. May 10-11, 1967. 1967. vii+3437-3742 p. il. [Hearings held in San Francisco and Stockton, Calif.]

- 16428 Hunger and malnutrition in America, hearings before Subcommittee on Employment, Manpower, and Poverty, 90th Congress, 1st session, July 11 and 12, 1967. 1967. v+311 p. il. † ● Item 1043
L.C. card 67-62355 Y 4.L11/2: H 89

Post Office and Civil Service Committee, Senate Washington, D.C. 20510

- 16429 Firefighters retirement, hearing before Subcommittee on Retirement, 90th Congress, 1st session, on S. 1507, July 26, 1967. 1967. iii+49 p. † ● Item 1044
L.C. card 67-62610 Y 4.P84/11: F 51/2

- 16430 Fraudulent mail matter, hearing before Subcommittee on Postal Affairs, 90th Congress, 1st session, on S. 274, Aug. 15, 1967. 1967. iii+42 p. † ● Item 1044
L.C. card 67-62611 Y 4.P84/11: F 86

- 16431 Government employees' training act, hearing before Subcommittee on Civil Service, 90th Congress, 1st session, on S. 236, Aug. 22, 1967. 1967. iii+39 p. † ● Item 1044
L.C. card 67-62391 Y 4.P84/11: G 74/2

- 16432 Wage board employees, hearings, 90th Congress, 1st session, on S. 2303.
L.C. card 67-61939 Y 4.P84/11: W 12/pt.2
pt. 2. Aug. 21-24, 1967. 1967. iv+57-195 p. il. † ● Item 1044

Public Works Committee, Senate Washington, D.C. 20510

- 16433 Nominations of Harold C. Jordahl, jr., and Willard Roper, hearing, 90th Congress, 1st session, on nomination of Harold C. Jordahl, jr., to be alternate Federal cochairman of Upper Great Lakes Regional Commission

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

and nomination of Willard Roper, to be member of Mississippi River Commission, Aug. 22, 1967. 1967. ii+10 p. † ● Item 1045.

L.C. card 67-62399 Y 4.P96/10: J 76

- 16434 Security of Capitol buildings, hearing before Subcommittee on Public Buildings and Grounds, 90th Congress, 1st session, on S. 2310, Sept. 21, 1967. 1967. iii+29 p. † ● Item 1045

L.C. card 67-62583 Y 4.P96/10: C 17/4

- 16435 Water pollution, 1967, hearings before Subcommittee on Air and Water Pollution, 90th Congress, 1st session. ● Item 1045

L.C. card 67-62623 Y 4.P96/10: W 29/2/967/pt.1

pt. 1. S. 1591 and S. 1604, S. 1870, S. 1341, June 7-Aug. 7, 1967. 1967. vi+1-495 p. ii. 2 pl. * Paper, \$1.75.

Small Business, Select Committee on, Senate Washington, D.C. 20510

- 16436 Competitive problems in drug industry, hearings before Subcommittee on Monopoly, 90th Congress, 1st session, on present status of competition in pharmaceutical industry.

L.C. card 67-62381 Y 4.Sm 1/2: D 84/pt.1

pt. 1. May 15-June 8, 1967. 1967. iii+1-441 p. ii. * Paper, \$1.25. ● Item 1049

- 16437 Contributions of science and technology to Federal crime insurance, report [with bibliographies, by Franklin P. Huddle]; Aug. 10, 1967. 1967. ix+175 p. ii. (Committee print, 90th Congress, 1st session.) [Prepared by Science Policy Research Division, Legislative Reference Service, Library of Congress.] * Paper, 45c.

L.C. card 67-62716 Y 4.Sm 1/2: C 86/4

- 16438 Planning, regulation, and competition, hearing before subcommittees, 90th Congress, 1st session, seminar discussion of question: Are planning and regulation replacing competition in new industrial state? June 29, 1967. 1967. iii+66 p. * Paper, 25c. ● Item 1049

L.C. card 67-62616 Y 4.Sm 1/2: P 69

- 16439 Review of Small Business Administration financial assistance programs, report of Small Business Administration to Subcommittee on Financing and Investment; Aug. 25, 1967. 1967. v+25 p. ii. (Committee print, 90th Congress, 1st session.) †

L.C. card 67-62718 Y 4.Sm 1/2: Sm 1/6

- 16440 Status and future of small business, hearings, 90th Congress, 1st session, on status and future of small business in American economy. ● Item 1049

L.C. card 67-62685 Y 4.Sm 1/2: St 2/pt.1

pt. 1. Mar. 1-14, 1967. 1967. iv+1-407 p. ii. 2 pl. †

CONSUMER AND MARKETING SERVICE Agriculture Dept. Washington, D.C. 20250

1968 acreage-marketing guides. AMG (series).

- 16441 57. Winter vegetables and potatoes, Aug. 1967. 40 p. ii. 4° † ● Item 18-D A 88.26/4: 57

C&MS (series). † A 88.40/2: (nos.)

- 16442 55. Private school lunch management manual. [June 1967.] cover title, 28 p. 4° [Text on p. 2 of cover. Issued with perforations.] ● Item 19-A

- 16443 57. Peanut market news, price summary, 1940-66. Sept. 1967. 19 p. ii. 4° (Fruit and Vegetable Division.)

- 16444 Cotton varieties planted 1963-67 [errata]. Aug. 1, 1967. 1 p. 4° (Cotton Division.) † Consumer and Marketing Service, Market News Section, Cotton Division, P.O. Box 17723, Memphis, Tenn. 38117

A 88.11/13: 963-67/errata

- 16445 List of chemical compounds authorized for use under USDA poultry, meat, rabbit and egg products inspection programs. Revised July 1967. [1967.] 100 p. 4° (Technical Service Division.) [List complete as of July 1, 1967.] * Paper, 45c. ● Item 107-B A 88.6: C 42/967-2

♠For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 16446 List of plants operating under USDA poultry and egg inspection and grading programs. June 1967. 62 p. 4° (Poultry Division.) †
A 88.15/23: 967
- 16447 Plants under USDA continuous inspection, processed fruits and vegetables and related products. July 1967. [2]+37 p. 4° (Fruits and Vegetable Division, Processed Products Standardization and Inspection Branch.)
† ● Item 21-R A 88.43/2: 967
- 16448 United States standards for grades of green olives, effective Sept. 8, 1967. 2d issue, as amended. [1967.] [2]+9 p. 1 pl. 4° [Published in Federal register Nov. 4, 1966. Supersedes standards which have been in effect since Jan. 3, 1967.] † Chief, Processed Products Standardization and Inspection Branch, Fruit and Vegetable Division, C&MS, Department of Agriculture, Washington, D.C. 20250
A 88.6/2: O1 4/2/967
- 16449 United States standards for grades of orange juice from concentrate, effective Aug. 31, 1967. 1st issue. [1967.] [9] p. il. 4° [Published in Federal register of July 18, 1967. Errata sheet, 1 p. oblong 24°, issued also.] † Chief, Processed Products Standardization and Inspection Branch, Fruit and Vegetable Division, C&MS, Department of Agriculture, Washington, D.C. 20250
A 88.6/2: Or 1/8
- 16450 United States standards for grades of pasteurized orange juice, effective Aug. 31, 1967. 1st issue. [1967.] [10] p. il. 4° [Published in Federal register of July 18, 1967.] † Chief, Processed Products Standardization and Inspection Branch, Fruit and Vegetable Division, C&MS, Department of Agriculture, Washington, D.C. 20250
A 88.6/2: Or 1/9

COPYRIGHT OFFICE, Library of Congress Washington, D.C. 20540

Catalog of copyright entries, 3d series, v. 18.

LC 3.6/5: v.18/pt.(nos.)/no.(nos.)

- 16451 pt. 1. Books and pamphlets, including serials and contributions to periodicals, no. 2, July-Dec. 1964, 1967. x+1275-2513 p. 4° * Paper, \$2.50. ● Item 791
L.C. card 6-35347
- 16452 pt. 5. Music, no. 2, July-Dec. 1964, 1967. x+1249-2409 p. 4° * Paper, \$3.50.
● Item 795
L.C. card 6-35347

COURT OF CLAIMS Washington, D.C. 20006

- 16453 Cases decided in Court of Claims, Oct. 1-Dec. 31, 1966, with report of decisions of Supreme Court in Court of Claims cases, v. 177; reported by Margaret Hunter Pierce, reporter. 1967. xxxiii+1182 p. 2 por. [Erratum, 1 p., issued also.] * Cloth, \$5.00. ● Item 730
L.C. card 11-11998 Ju 3.9: 177

CUSTOMS COURT

- 16454 United States Customs Court reports: v. 57, cases adjudged in United States Customs Court, July-Dec. 1966. [1967.] xiii+932 p. [Includes classification decisions 2707-2865, reappraisal decisions 11186-251, A.R.D. 210-216, valuation decisions V.D. 132-133, abstracted protest decisions P66/95-P66/387, abstracted reappraisal decisions R66/7-R66/69.] * Cloth, \$3.50. ● Item 736
L.C. card 39-29067 Ju 9.5: 57

DEFENSE COMMUNICATIONS AGENCY, Defense Dept. Arlington, Va. 22204

DCA circular.

- 16455 330-175-1. Standard, DCS [defense communications system] engineering-installation standards manual. Change 6, Feb. 20, 1967. vi+ [280] p. il. 4° [Includes list of effective pages. Issued in looseleaf form.]
* Paper, \$1.50. D 5.104: 330-175-1/ch.6

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

NOVEMBER 1967

DEFENSE DEPARTMENT
Washington, D.C. 20301

Armed Services procurement regulation supplement ASPS (series).

- 16456 3. Property administration. Aug. 1, 1967. [1]+iii+38 p. 4° [Issued with perforations.] * Paper, 25c. ● Item 304 D 1.13/2-2:3

Cataloging handbook II (series). (Defense Supply Agency, Defense Logistics Services Center.) [Issued with perforations.] ● Item 314-A

- 16457 4-2. Federal supply code for manufacturers, United States and Canada: Code to name; prepared by Directorate of Cataloging. Oct. 1967. iv+75+445+[3] p. 4° ([Army Dept. supply bulletin SB 708-42.]) [Supersedes Oct. 1966 edition and supplements thereto, and SB 708-42, Oct. 1966, including C9, Sept. 1967 supplement.] * Paper, \$7.50 (including basic handbook and cumulative monthly supplements); \$2.00 additional for foreign mailing. D 7.6/2:4-2/8

Cataloging manual M (series). (Defense Supply Agency, Defense Logistics Services Center.) [Issued with perforations.] ● Item 314-A

- 16458 1-2. Federal manual for supply cataloging: chap. 2, Item identification; [prepared by Defense Logistics Services Center.], July 1967. cover title, iii+[102] p. 4° ([Army Dept. AR 708-12.]) [Supersedes AR 708-12, Jan. 1965.] * Paper, 70c. D 7.6/3:1-2/6

- 16459 Defense Contract Audit Agency, an auditing career. [1967.] cover title, 16 p. il. [Table of contents on p. 2 of cover.] † ● Item 306 D 1.2: C 18/3

Defense Supply Agency manual DSAM (series).

- 16460 4145.6. See Army Department field manual FM 38-40.
16461 S300.1. Production manual for Contract Administration Services. June 1967. cover title, v+271 p. il. 3 pl. 4° [Issued with perforations. Supersedes DSAM S300.1, Dec. 1964, and DSAM 4500.1, Feb. 1965.] † ● Item 314-A D 7.6/8: S300.1/2

- 16462 Federal item identification guide: Heating elements, electrical, immersion, and nonimmersion. June 16, 1967. cover title, vi+[47] p. il. 4° (FIIG AO19; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] * Paper, 40c. ● Item 314-A D 7.6/4: H 35

- 16463 — Washers. June 23, 1967. cover title, xi+[118] p. il. 4° (FIIG AO22; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, 75c. ● Item 314-A D 7.6/4: W 27

- 16464 Military assistance facts. May 1, 1966. cover title, [1]+v+31 p. il. oblong 12° [Supersedes Mar. 1, 1966 edition.] † D 1.2: M 59/5

Military standards. [Issued in looseleaf form.] ‡ ● Item 314-J D 7.10: (nos.)

- 16465 MIL-STD-429B. Printed-wiring and printed-circuits, terms and definitions. June 26, 1967. iv+7 p. 4° (FSC 5999.) [Supersedes MIL-STD-429A, Dec. 19, 1960.]

- 16466 MIL-STD-649A. Aluminum and magnesium products, preparation for shipment and storage (effective July 12, 1967). July 12, 1967. vi+45 p. il. 4° (FSC-PACK.) [Supersedes MIL-STD-649, July 19, 1963. Issued in looseleaf form.]

- 16467 MIL-STD-709A. Ammunition color coding. June 30, 1967. iii+11 p. 4° (FSC 1395.) [Supersedes MIL-STD-709, June 27, 1960.]

- 16468 MIL-STD-794A (ASG). Parts and equipment, procedures for packaging and packing of (effective June 26, 1967). June 26, 1967. v+48 p. 4° (FSC-PACK.) [Supersedes MIL-STD-794 (WP), Mar. 10, 1965. Issued in looseleaf form.]

- 16469 MIL-STD-810B. Environmental test methods. June 15, 1967. v+[111] p. il. 4° (FSC MISC.) [Supersedes MIL-STD-810A (USAF), June 23, 1964. Issued in looseleaf form.]

- 16470 MIL-STD-850A. Aircrew station vision requirements for military aircraft. June 8, 1967. iv+26 p. il. 4° (FSC 1500.) [Supersedes MIL-STD-850, Aug. 30, 1965.]

- 16471 MIL-STD-1210. Fog and ice preventive compounds. June 5, 1967. v+13 p. 4° (FSC 6850.) [Issued with perforations.]

- 16472 MILSTRIP, Military assistance program addresses, supp. 2; Sept. 1, 1967. 1967. [320] p. 4° (DoD 4110.17-M; Office of Assistant Secretary of Defense, Installation and Logistics.) [Issued in looseleaf form. Super-

GOVERNMENT PUBLICATIONS

sedes Supp. 2, Dec. 1, 1966, plus changes 1-5.] * Paper, \$1.75. ● Item 314-A D 7.6/4: M59/supp.2/rev.

- 16473 MILSTRIP, Requisition fund codes, supp. 3; Sept. 1, 1967. [1967.] [3]+42 p. 4° (DoD 4140.17-M; Office of Assistant Secretary of Defense, Installations and Logistics.) [Issued in looseleaf form.] * Paper, 25c. ● Item 314-A D 7.6/4: M 59/supp.3

[Standardization directory] SD-(series).

- 16474 1. Standardization directory, planning schedule and points of contact (FSC class and area assignments). Jan. 1, 1967, cover title, [1]+iv+23+49 p. 4° (Defense Standardization Program.) [Quarterly, issued with perforations.] * Paper, 50c. D 7.13: 1/19

- 16475 USAFI bulletin 2; June 1967. [1967.] cover title, [1]+15 p. 4° (United States Armed Forces Institute.) [Issued with perforations.] † D 1.10/3: 967/no.2

- 16476 USAFI supply announcement, Sept. 1966, change notice. [1967.] [5] p. 4° † D 1.10/3: 966-3/notice

ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept. Washington, D.C. 20230

- 16477 Economic development and college enrollment, address by Thomas W. Harvey, Deputy Assistant Secretary of Commerce for Economic Development, scheduled for delivery at annual meeting of West Virginia Association of Collegiate registrars and Administrations Officers, Oct. 12, 1967. 1967. 10 p. 4° (Department of Commerce News.) † C 46.11: H 26/5

- 16478 Research review. (Office of Economic Research.) [Irregular. Published for employees of Economic Development Administration.] † C 46.26: (date)
June 1967—

- 16479 Role of Commerce Department in urban economic revitalization, address by Thomas W. Harvey, Deputy Assistant Secretary for Economic Development, before National Business League, Atlantic City, N.J., Sept. 15, 1967. 1967. 11 p. 4° † C 46.11: H 26/4

- 16480 Study to determine feasibility of establishing national program for training skilled aviation personnel; prepared by Arizona State University. [Sept. 1967.] [4]+x+[337] p. il. 4° * Paper, \$1.75 ● Item 130-D L.C. card 67-62536 C 46.2: Av 5

ECONOMIC OPPORTUNITY OFFICE, Executive Office of the President, Washington, D.C. 20506

- 16481 Conference proceedings, women in war on poverty, May 8, 1967. [1967.] cover title, 68 p. il. 4° † ● Item 857-H PrEx 10.2: W 84
L.C. card 67-62678

- 16482 Guidelines for legal services programs. [1967.] v+14 p. il. 4° (Community Action Program.) † ● Item 857-H-2 PrEx 10.8: L 52/3
L.C. card 67-62703

- 16483 Head Start, child development program, manual of policies and instructions [with list of available materials]. Sept. 1967. v+49+A-45 p. 4° (Community Action Program.) [Instructions apply to applications for financial assistance for full year and summer child development program under title II-A of Economic opportunity act of 1964, as amended. Issued in looseleaf form.] † ● Item 857-H-2 PrEx 10.8: H 34/2

- 16484 VISTA fact book. Sept. 15, 1967. [145] p. il. 4° (Volunteers in service to America.) † ● Item 857-H-13 PrEx 10.21: 967
L.C. card 67-62746

ECONOMIC RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

Agricultural economic reports. ● Item 42-C A 93.28: (nos.)

- 16485 99. 1965 supplement to Costs of producing upland cotton in United States, 1964; [by I. R. Starbird and B. L. French]. [Sept. 1967.] iv+34 p. il. 4° † L.C. card 66-62961

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

NOVEMBER 1967

- 16486 119. Taxation of farmland on rural-urban fringe, summary of State preferential assessment activity; [by Thomas F. Hady and Thomas F. Stinson]. [Sept. 1967.] cover title, ii+80 p. 4° * Paper, 45c.
L.C. card Agr 67-338
- 16487 120. Hired farm working force of 1966, statistical report; [by Robert C. McElroy]. [Sept. 1967.] ii+30 p. il. 4° †
L.C. card 58-61057

Costs and returns FCR (series). ([Farm Production Economics Division.]) † A 93.9/11:(nos.)

- 16488 47. Commercial dairy farms, northeast and midwest, 1966; [by Erling Hole and Rosa J. Cox]. Aug. 1967. [2]+9 p. il. 4°
- 16489 48. Commercial egg-producing farms, New Jersey, 1966; [by Owen K. Shugars, Robert G. Latimer, and Daphene E. Tippet]. Aug. 1967. 4 p. il. 4°
- 16490 49. Commercial tobacco-livestock farms, Bluegrass area and Pennyroyal area, Ky.-Tenn., 1966; [by Owen K. Shugars and others]. Aug. 1967. [2]+12 p. il. 4° [Prepared in cooperation with Kentucky and Tennessee Agricultural Experiment Stations.]

ERS-foreign (series). † ● Item 76-G A 93.21/2:(nos.)

- 16491 196. Europe and Soviet Union agricultural situation, midyear review; [prepared in Europe and Soviet Union Branch]. Sept. 1967. 8 p. 4°
- 16492 197. Far East and Oceania agricultural situation, midyear review. Sept. 1967. 14 p. 4° (Foreign Regional Analysis Division.)
- 16493 198. Western Hemisphere agricultural situation, midyear review. [Sept. 1967.] 12 p. 4° (Foreign Regional Analysis Division.)
- 16494 199. Africa and west Asia agricultural situation, midyear review. [Sept. 1967.] 8 p. 4° (Foreign Regional Analysis Division.) [Updates report, Africa and west Asia agricultural situation, review of 1966 and outlook for 1967, ERS-foreign 186, May 1967.]

- 16495 U.S. foreign agricultural trade by countries, calendar year 1966. Oct. 1967. [2]+91+[1] p. il. 4° ([ERS-57; Trade Statistics and Analysis Branch, Foreign Development and Trade Division.]) [Supplement to monthly Foreign agricultural trade of United States.] † ● Item 42-E
L.C. card 66-65724 A 93.17/4: 966-2

- 16496 World food needs; [by] Quentin M. West [1966.] [1]+25 p. il. 4° (Foreign Regional Analysis Division.) [Paper presented at Utah's 10th annual Agricultural and Industry Conference, Salt Lake City, Utah, Feb. 16, 1966.] † A 93.22: W 52

EDUCATION OFFICE, Health, Education, and Welfare Dept. Washington, D.C. 20202

- 16497 Decisions from the field [what OE's decentralization means to schools and colleges; by James A. Turman]. [1967.] [3] p. il. large 4° (OE-10048.) [Reprinted from American education, July-Aug. 1967.] * Paper, 10c.
● Item 460-A-10 FS 5.210: 10048
- 16498 Education directory, 1966-67, pt. 3: Higher education. [1967.] cover title, ii+252 p. ([OE-50000-67.]) [Text on p. 2 and 4 of cover.] * Paper, \$1.00. ● Item 460 & 460-A-50
L.C. card E 13-213 FS 5.25: 966-67/pt.3
- 16499 Extended use of school facilities [with selected bibliography]; by R. N. Finchum. [1967.] vi+103 p. 4° (OE-21035; School plant management series.) * Paper, 70c. ● Item 460-A-21 FS 5.221: 21035
- 16500 Good training, good jobs, MDTA Detroit Skills Center. [1967.] [10] p. il. narrow 8° ([OE-87023; Division of Manpower Development and Training.]) † ● Item 460-A-87 FS 5.287: 87023
- 16501 How to get money for college; by LaValle T. Trimble. [1967.] [4] p. il. 4° ([OE-55050.]) [Reprinted from American education, July-Aug. 1967.] * Paper, 10c. ● Item 460-A-55 FS 5.255: 55050
- 16502 Institutional assistance grant program, spring 1967 (sec. 524(b), pt. C, title 5, of Higher education act of 1965, P.L. 89-329). [1967.] iii+17+[1] p. 4° ([OE-55049-68.]) † ● Item 460-A-55 FS 5.255: 55049-68
- 16503 Instructions for title 1, 1968 application forms, Public law 89-10, Elementary and secondary education act of 1965. [1967.] cover title, [1]+19 p. 4° (OE-37003.]) † ● Item 460-A-37 FS 5.237: 37003

For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
● Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 16504 Inventory of counselor education programs, 1965-66; [by] Hubert W. Houghton and Laura M. Trexler. [1967.] v+53 p. 4° ([OE-25051.]) * Paper, 45c. ● Item 460-A-25 FS 5.225: 25051
- 16505 Our short-changed city schools, address by Harold Howe II, Commissioner of Education, Department of Health, Education, and Welfare, before annual conference of National Association of State Boards of Education, New York City, Sept. 26, 1967. [1967.] 12 leaves, 4° † FS 5.8: H 83/39
- 16506 Overseas activities in support of modern foreign language and area studies, 1968-69. [1967.] vi+19+[1] p. oblong 12° (OE-14134.) † ● Item 460-A-14 FS 5.214: 14134-2
- 16507 Personal and family survival [course, announcement]. [1967.] [8] p. il. oblong 24° † ● Item 461 (Rev. 1965) FS 5.2: Su 7
- 16508 Preparation of professional personnel in education of handicapped children, summer 1968, academic year 1968-69, undergraduate traineeships, graduate fellowships, full-time summer session traineeships, Special Study Institutes, program development grants, manual for use by colleges and universities and State education agencies in applying for and administering programs authorized by Public law 85-926, as amended, Aug. 1967. 2+vi+13+[8]+16 p. 4° ([Bureau of Education for the Handicapped.]) † ● Item 461-A (Rev. 1965) FS 5.6/2: H 19/2
L.C. card HEW 66-173
- 16509 Principles of public school accounting; [by] Bert K. Adams [and others]. [1967.] viii+272 p. (OC-22025, State educational records and reports series, handbook 2-B; [National Center for Educational Statistics.]) [Prepared in cooperation with American Association of School Administrators, Association of School Business Officials of United States and Canada, Council of Chief State School Officers, National School Boards Association.] * Paper, \$1.25. ● Item 460-A-22 FS 5.222: 22025
L.C. card HEW 67-152
- 16510 Report on cooperative research to improve nation's schools, summary of fiscal year 1966 educational research projects and programs administered by Office of Education, submitted under sec. 2(d) of Cooperative research act, fiscal year 1966. [1967.] vi+125 p. 4° (Bureau of Research.) [Text on p. 2 of cover.] † ● Item 467-E FS 5.82: 966
- 16511 Staffing for better schools, staffing for better schools under Title I, Elementary and secondary education act of 1965; [prepared by Malcolm Provus and others]. [1967.] vi+[2]+40 p. il. 4° (OE-23049.) [Prepared pursuant to contract OE C1-7000103-0103.] * Paper, 30c. ● Item 460-A-23 FS 5.223: 23049
- 16512 Strength of a sparrow, address by Harold Howe II, U.S. Commissioner of Education, Department of Health, Education, and Welfare, before Urban Schools Conference, sponsored by National School Boards Association and Office of Vice President, Washington, D.C., Sept. 22, 1967. [1967.] 14 leaves, 4° † FS 5.8: H 83/40
- 16513 Title 2, Elementary and secondary education act, school library resources, textbooks, and other instructional materials, guidelines. [Revised May 1967.] [1967.] iv+45 p. 4° (OE-15059-A.) † ● Item 460-A-15 FS 5.215: 15059-A

EMPLOYEES' COMPENSATION BUREAU, Labor Dept. Washington, D.C. 20210

- 16514 Medical facilities available to employees of United States Government injured in performance of duty under Federal employees' compensation act of Sept. 7, 1916, as amended. [Revised] Apr. 1967. [1967.] iv+38 p. 4° (Pamphlet BEC-576.) † ● Item 750 L 26.2: M 46/967
L.C. card 30-27878

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

EMPLOYMENT SECURITY BUREAU, Labor Dept.
Washington, D.C. 20210

- 16515 Address by Robert C. Goodwin, Administrator, Bureau of Employment Security, to 31st annual meeting of Interstate Conference of Employment Security Agencies, New Orleans, La., Sept. 25, 1967. [1967.] 17 leaves, 4° † L 7.33: G 63/23
- 16516 Instructions for administering and using the interest check list (developed by United States Employment Service). [Revised May 1967. [1967.] 2 p. 4° * Paper, \$2.00 per 100; single 5c. ● Item 761 L 7.25: In 8/967
- 16517 Services for Indians [articles]. [1967.] cover title, 22+[2] p. il. 4° ([U.S. Employment Service.]) [Reprints from Employment service review.] † L 7.18/2a: In 2

ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, D.C. 20310, Attention Publications Office.

- 16518 Annual report of chief of engineers, Army, on civil work activities [pertaining to rivers and harbors, flood control, beach erosion control, and related purposes], fiscal year 1966: v. 2, [Specific project data]. 1966 [published 1967]. iii+1845 p. il. [Also issued as H. doc. 4, pt. 2, 90th Cong., 1st sess. Document notation appears on cover and on title page of this edition in error.] * Paper, \$5.00. ● Item 334 L.C. card 15-4908 D 103.1: 966/v.2

Coastal Engineering Research Center: Reprint R (series).

D 103.42/4: (nos.)

- 16519 2-67. Wave tests of revetment using machine-produced interlocking blocks; [by Jay V. Hall, jr.]. Aug. 1967. cover title, [1]+1025-35 p. il. 4° (U.S. Army Coastal Engineering Research Center.) [Originally presented in Tokyo at 10th Coastal Engineering Conference, Sept. 1966.] †
- 16520 3-67. Rock movement in large-scale tests of riprap stability under wave action; [by Thorndike Saville, jr.]. Aug. 1967. cover title, [1]+972-976 p. il. 4° [Reprinted from 10th Coast Engineering Conference in Tokyo.] †
- 16521 4-67. Variations in groin design; [by Dennis W. Berg and George M. Watts]. Sept. 1967. cover title, 79-100+[1] p. il. 4° [Reprinted from copyrighted Journal of Waterways and Harbors Division, proceedings of American Society of Civil Engineers, v. 93, no. WW2, May 1967.] †

— Technical memorandums.

D 103.42: (nos.)

- 16522 21. Multi-purpose data acquisition system for instrumentation of nearshore environment [with list of literature cited]; by W. A. Koontz and D. L. Inman. Aug. 1967. iv+38 p.+[2] leaves, il. 4° [Text on p. 2 of cover.] † Limited distribution, Coastal Engineering Research Center, 5201 Little Falls Road, N.W., Washington, D.C. 20016
- 16523 22. Dune stabilization with vegetation on Outer Banks of North Carolina [with list of literature cited]; by W. W. Woodhouse, jr., and R. E. Hanes. Aug. 1967. viii+45 p.+[2] leaves, il. 4° [Text on p. 2 of cover.] † Limited distribution, Coastal Engineering Research Center, 5201 Little Falls Road, N.W., Washington, D.C. 20016

Ohio River Division Laboratories: Technical report.

- 16524 4-61. Evaluation of Dynaflect for nondestructive testing of portland cement concrete pavements [with list of references]; by George M. Pace. Aug. 1967. cover title, x+135+[2] p. il. 4° † D 103.38: 4-61

Port series. [Part 1 of Port series is prepared by Division of Ports, Maritime Administration, Commerce Dept., and pt. 2 by Port Facilities Branch, Board of Engineers for Rivers and Harbors.]

- 16525 10. Port of Baltimore, Md., pt. 2. Revised 1966, 1967. v+118 p. il. 5 maps, 4° * Paper, \$1.25. ● Item 340 D 103.8: 10/2

Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (price upon application).

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Waterways Experiment Station: Technical reports. D 103.24/2:(nos.)

- 16526 2-792. Stability of rubble-mound tsunami barrier, Hilo Harbor, Hawaii, hydraulic model investigation [with list of literature cited]; by A. M. Kamel. Army-MRC Vicksburg, Miss., Aug. 1967. xvi+48+[82] p. il. 4° [Sponsored by Army Engineer District, Honolulu.] †
- 16527 3-688. Dimensional analysis of performance of pneumatic tires on soft soils, Aug. 1965; errata sheet 2. Oct. 6, 1967. [2] leaves, il. 4° †
- 16528 6-787. Cement performance in concrete [with list of literature cited]; by Bryant Mather. Army-MRC Vicksburg, Miss., Sept. 1967. ix+34+[48] p. il. 4° [Sponsored by Office, Chief of Engineers, Army. Errata sheet, dated Oct. 12, 1967, 1 p., issued also.] †
- 16529 6-788. Methods of reducing size and number of voids on formed concrete surfaces; by B. J. Houston. Army-MRC Vicksburg, Miss., July 1967. xi+21+[14] p. il. 1 pl. 4° [Sponsored by Office, Chief of Engineers, Army.]

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, Commerce Dept., Washington, D.C. 20235

Climatology of United States 60-nos. Climates of States. (Environmental Data Services.) ● Item 273-B C 30.71/3:(nos.)

- 16530 20. Michigan [with bibliographies; by] Norton D. Strommen. May 1959, revised and reprinted Aug. 1967. [1967.] 25 p. il. 4° * Paper, 20c.
- 16531 35. Oregon [with bibliography; by] Gilbert L. Sternes. Feb. 1960, revised and reprinted Aug. 1967. [1967.] 27 p. il. 4° * Paper, 20c.

ESSA technical memorandum. (Institutes for Environmental Research, National Severe Storms Laboratory.)

- 16532 IERTM-NSSL 34. Note on probing balloon motion by Doppler radar [with list of references; by] Roger M. Lbermitte. July 1967. iv+14 +[2] p. il. 4° † Paper, \$3.00. C 52.15/2: IERTM-NSSL 34

ESSA technical report. (Institutes for Environmental Research; Institute for Earth Sciences.)

- 16533 IER46-IES 1. Analysis of earth's magnetic field from 1835 to 1965 [with list of references; by] Keith L. McDonald, Robert H. Gunst. July 1967. iv+87 p. il. 4° * Paper, 50c. ● Item 208-B-7 C 52.15: IER 46-IES 1

- 16534 Hurricane safety rules. [June 1967.] [2] p. il. large 8° ([ESSA/PI 670001.]) * Paper, \$1.50 per 100; single copy, 5c. ● Item 208-B-5 C 52.6: H 94

- 16535 Hydrologic cycle. [June 1967.] [8] p. il. 4° ([ESSA/PI 670003.]) * Paper, 15c. ● Item 208-B-1 C 52.2: H 99

Key to meteorological records documentation.

- 16536 5.313. Catalog of meteorological satellite data, ESSA 3 television cloud photography, pt. 2, Jan. 1-Mar. 31, 1967. [1967.] [2]+30+[182] p. il. 4° (Environmental Data Service.) * Paper, \$1.50. ● Item 275-C C 30.66/2: 5.313/pt.2

- 16537 New knowledge from global sea, programs and mission of ESSA's Institute for Oceanography. [1967.] 20 p. il. oblong 16° ([ESSA/PI 670017.]) * Paper, 25c. ● Item 208-B-1 C 52.2: Se 1

- 16538 Project Stormfury, ESSA fact sheet. Aug. 1967. [12] p. il. 4° † C 52.2: St 7/2

WB/BC-(series).

- 16539 90. Annotated bibliography on climate of Republic of Vietnam; by Annie E. Grimes. Aug. 1967. xiii+122 p. il. 4° (Environmental Data Service.) † C 52.21: 90

FAMILY SERVICES BUREAU, Health, Education, and Welfare Dept. Washington, D.C. 20201

- 16540 Community planning for health, education, and welfare, annotated bibliography; compiled by [Dorothy M. Jones], Department library. [1967.] viii+57 p. ([BFS 13-31.]) * Paper, 25c. ● (Special offer) FS 14.217: C 73

- 16541 Public assistance, costs of State and local administration, services, and training, calendar year ended Dec. 31, 1966. Aug. 15, 1967. [13] p. oblong 8° (Division of Research.) [Issued with perforations.] † FS 14.202: P 96/7/966-2

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16542 Recipients of medical vendor payments under public assistance programs, Jan.-June 1966. July 1967. iv+[8] p. 4° (Division of Research.) [Issued with perforations.] †
FS 14.202: M 46/7/966
- 16543 Source of funds expended for public assistance payments, calendar year 1966. Aug. 15, 1967. [11] p. 4° (Division of Research.) †
L.C. card HEW 64-85 FS 14.215: 966-2

FARM CREDIT ADMINISTRATION Washington, D.C. 20578

Circular.

- 16544 E-43. Federal land bank system, 1917-67, half century of service to agriculture. [Jan. 1967.] cover title, 32 p. il. oblong 12° † ● Item 430-J-4
FCA 1.4/2: E-43/2

FARMER COOPERATIVE SERVICE, Agriculture Dept. Washington, D.C. 20250

General reports. † A 89.11:(nos.)

- 16545 144. Owning or leasing of covered hopper cars by farmer cooperatives; [by Thomas H. Camp and David Volkin]. [July 1967.] vi+26 p. 4° [Includes list of other publications available.]
L.C. card Agr 67-305
- 16546 145. Transportation factors in marketing soybeans, cottonseed, and their products, 16 selected cooperatives; [by William H. Thompson]. [Sept. 1967.] [2]+iv+36 p. il. 4° ● Item 65-A
L.C. card Agr 67-364

FEDERAL AVIATION ADMINISTRATION, Transportation Dept. Washington, D.C. 20553

- 16547 Airport activity statistics of certificated route air carriers, 12 months ended Dec. 31, 1966. June 1967. xiv+[1]+288+[1] p. il. oblong 8° [Semi-annual. Published jointly by Civil Aeronautics Board and Federal Aviation Administration.] * Paper, \$2.00. ● Item 177-A TD 4.14: 966-2
- 16548 Aviation weather procedures handbook 7200.1 [Change] 4; June 14, 1967. [1967.] [22] p. 4° [Effective Oct. 1, 1967; cancellation date Apr. 1, 1968. Issued in looseleaf form.] † ● Item 431-D-1 FAA 3.8/2: W 37/ch.4
- 16549 Census of U.S. civil aircraft as of Dec. 31, 1965; [prepared by Information and Statistics Division]. [1967.] ix+174 p.+[2] leaves, il. 4° (Office of Management Services.) [Formerly issued as 2 separate annual reports, Statistical study of U.S. civil aircraft and U.S. active civil aircraft by State and county.] * Paper, \$1.00. ● Item 431-A-16
L.C. card 66-60131 TD 4.18: 965
- 16550 FAA air traffic activity, fiscal year 1967; [prepared by Viola W. Patterson and George Thompson. Aug. 1967. xii+200 p. il. 4° (Information and Statistics Division, Office of Management Services.) * Paper, \$1.00. ● Item 431-C-1
L.C. card 59-61457 TD 4.19: 967

Federal aviation regulations. [Issued in looseleaf form.] ● Item 431-C-13 FAA 1.6/8:(nos.)

- 16551 pt. 25. Airworthiness standards: Transport category airplanes, Change 11, [effective] Aug. 1, 1967. [1967.] [9] p. 4° [Incorporates amdt. 25-12.] †
- 16552 Same: Change 12, [effective] July 27, 1967. [1967.] [11] p. 4° [Incorporates amdt. 25-13.] †
- 16553 pt. 39, v. 1. See below, Summary of airworthiness directives for small aircraft.
- 16554 pt. 61. Certification: Pilots and flight instructors, Change 25, [effective] July 26, 1967. [1967.] [10] p. 4° [Incorporates amdt. 61-35. One page intentionally left blank.] †
- 16555 pt. 93. Special air traffic rules and airport traffic patterns, Change 10, [effective] Oct. 6, 1967. [1967.] [9] p. 4° [Incorporates amendment 93-9.] †
- 16556 pt. 121. Certification and operations: Air carriers and commercial operators of large aircraft, Change 21, [effective] June 22, 1967. [1967.] [7] p. 4° [Incorporates amdt. 121-29.] †
- 16557 pt. 151. Federal aid to airports, Change 18, [effective] June 28, 1967. [1967.] [12] p. 4° [Incorporates amdt. 151-19.] †

☛For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Handbooks. ‡ ● Item 431-C-4

TD 4.8/2: (nos.)

- 16558 1100.2. FAA organization, FAA headquarters. [1967.] cover title, [202] p. il. 4° [Approved May 26, 1967. Issued in looseleaf form.]
- 16559 6000.6. United States interagency ground inspection manual: Air traffic control and navigational aid facilities. 1st edition. [Apr. 1967.] [47] p. 4° (Department of Army technical manual TM 11-2557-28; Department of Navy manual OPNAV INST. 3721.18; Department of Air Force manual AFM 101-3; Coast Guard manual GC 387.) [Issued in looseleaf form.]
- 16560 S300.4. Maintenance Division, general practices and procedures. [1967.] cover title. [43] p. 4° [Approved May 25, 1967. Issued in looseleaf form.]
- 16561 Service C weather schedules 7730.7, Change 2; July 10, 1967. [1967.] [37] p. il. 4° [Effective date Sept. 1, 1967; cancellation date Dec. 1, 1967. Issued in looseleaf form.] ‡ ● Item 431-D-1
FAA 3.8: W 37/3/966/ch.2
- 16562 Summary of airworthiness directives for small aircraft. Jan. 1, 1967. [477] p. il. 4° (Federal aviation regulations, pt. 39, v. 1.) [Incorporates current airworthiness directives issued through Dec. 1966. Issued in looseleaf form.] * Paper, \$5.25 (including basic book and supplementary material for an indefinite period); \$1.25 additional for foreign mailing. ● Item 431-A-15
TD 4.10/2: 967
- 16563 United States standard flight inspection manual [Change] 10. [Aug. 9, 1967.] [22] p. il. 4° (Handbook OA P 8200.1; Army [Dept.] TM 11-2557-25; Navy [Dept.] NAV WEPS 16-1-520; [Air Force Dept.] AFM 55-8; and Coast Guard] CG-317.) [Cancellation date Oct. 1, 1967. Issued in looseleaf form.] ‡ ● Item 431-F-2
FAA 5.9:963/ch.10

FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

- 16564 No task more challenging, issues in domestic satellite policy, remarks by Nicholas Johnson, Commissioner, Federal Communications Commission, prepared for delivery to Sylvania Electronic Products, Inc., and Stanford University School of Law conference on peaceful uses of space, satellite technology and law, Palo Alto, Calif., Aug. 16, 1967. 1967. 9 p. 4° (4581.) ‡
CC 1.15: J 62
- 16565 Statistics of principal domestic and overseas telegraph carriers reporting annually to Commission, as at Dec. 31, 1966 and for year then ended. [1967.] 4 leaves, narrow f°, folded into oblong 12° size. ‡ CC 1.41: 966
- 16566 Statistics of telephone carriers, reporting annually to Commission as at Dec. 31, 1966 and for year then ended. [1967.] 4 leaves, narrow f°, folded into oblong 12° size. ‡
CC 1.14/2: 966

FEDERAL DEPOSIT INSURANCE CORPORATION Washington, D.C. 20429

Report of call.

- 16567 78. Assets, liabilities, and capital accounts, commercial and mutual savings banks, Dec. 31, 1966. [July 1, 1967.] cover title, 42 p. oblong 8° [Call no. 77. Sept. 20, 1966 not tabulated for all banks.] ‡
Y 3.F 31/8: 9/78

FEDERAL EXTENSION SERVICE, Agriculture Dept. Washington, D.C. 20250

[Extension Service Circular] ESC (series). ● Item 59-A A 43.4: (nos.)

- 16568 560. Ginning cotton to preserve fiber quality [with Bibliography; by Alfred M. Pendleton and Vernou P. Moore]. [Sept. 1967. 20 p. il. 4° [Prepared in cooperation with State land-grant colleges and universities.] * Paper, 15c.
- 16569 561. Using visuals in agricultural extension programs. July 1967. cover title, 86+ [1] p. il. 4° [Originally published by International Cooperation Administration. Text on p. 2 of cover.] ‡
- 16570 Rural youth clubs around world, handbook for developing programs. 1967. cover title, 36 p. il. 4° [Prepared in cooperation with Agency for International Development, Department of State. Text on p. 2 and 3 of cover.]
* Paper, 25c. ● Item 61-B
A 43.16/2: Y 8

*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

FEDERAL HOME LOAN BANK BOARD
Washington, D.C. 20552

- 16571 Answer to questions about insurance of savings accounts. Sept. 1967. [2]
+8 p. il. narrow 8° † FHL 1.2: In 7-4
- 16572 Combined financial statements, 1965, members of Federal Home Loan Bank
System [calendar year] 1965. [July 1967.] cover title, 176 p. il. [The last
5 pages are blank.] †
L.C. card 52-26280 FHL 1.12: 965-2
- 16573 Report of Federal Home Loan Bank Board for year ending Dec. 31, 1966,
[covering operations of] Federal Home Loan Bank System, Federal Sav-
ings and Loan Insurance Corporation, Federal Savings and Loan System.
[1967.] xi+150 p. il. † ● Item 595
L.C. card 50-54874 FHL 1.1: 966
- 16574 Trends in savings and loan field, 1965. [July 1967.] cover title, [16] p. il.
([Data Management Division.]) [Last page left blank to be used for
notes.] †
L.C. card 52-37923 FHL 1.15: 965

**FEDERAL HOUSING ADMINISTRATION, Housing and Urban
Development Dept., Washington, D.C. 20411**

- 16575 Addendum 2, title 10, Land development handbook. June 23, 1967. [1]+33
p. 4° (F-1272.) [Issued with perforations.] † ● Item 589-A
HH 2.6/6: L 22/add.2

FEDERAL MARITIME COMMISSION
Washington, D.C. 20573

- 16576 Approved conference, rate and interconference agreements of steamship
lines in foreign commerce of United States. Complete revision as of July 1,
1967. [1967.] [238] p. [Issued in looseleaf form.] * Paper, \$4.50 (includ-
ing basic manual and supplementary material for an indefinite period);
\$1.25 additional for foreign mailing. ● Item 432-L FMC 1.11: 967
- FMC SP (series). † FMC 1.9: (nos.)
- 16577 67-13. Remarks of John Harlee, Chairman, Federal Maritime Commission, at
dinner sponsored by Propeller Club, Charleston, S.C., Sept. 19, 1967.
1967. 13 p. 4°
- 16578 67-14. Remarks of John Harlee, Chairman, Federal Maritime Commission, before
Civitan Club, Baltimore, Md., Sept. 22, 1967. 1967. 6 p. 4°
- 16579 67-15. Economic and promotional responsibilities of regulatory agency, remarks
by James V. Day, Federal Maritime Commission, at American Merchant
Marine Conference, sponsored by Propeller Club of United States, Hono-
lulu, Hawaii, Oct. 11, 1967. 1967. 6 p. 4°

FEDERAL POWER COMMISSION
Washington, D.C. 20426

- 16580 Development of electrically powered vehicles [with list of references]. Feb.
1967. [3]+38+A-12 p. il. 4° (Bureau of Power.) [Prepared at request
of Committee on Commerce, Senate.] †
L.C. card 67-62730 FP 1.2: El 2/12
- 16581 Federal Power Commission reports, opinions, decisions, and orders, v. 32,
July 1-Dec. 31, 1964. 1967. xliii+1636 p. 1 p. map. * Cloth, \$5.50.
● Item 438
L.C. card 40-29138 FP 1.20: 32

National electric rate book, rate schedules for electric service in commu-
nities of 2,500 population or more, residential, commercial, and industrial
services. [Issued with perforations.]

NOTE.—The complete rate book is made up of separate publications, each repre-
senting a State. They are sold on subscription basis by the Superintendent of Docu-
ments, \$8.00 a year, \$3.00 additional for foreign mailing; single copy, 25c.

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 16582 National electric rate book: Arkansas. July 1967. [2]+14 p. 4° [Issued with perforations. Supersedes issue of Aug. 1966.] ● Item 437-A-3
FP 1.18: Ar 4k/967
- 16583 — Michigan. Aug. 1967. [2]+32 p. 4° [Issued with perforations. Supersedes issue of Aug. 1966.] ● Item 437-A-20
FP 1.18: M 58/967
- 16584 — Nebraska. July 1967. [2]+16 p. 4° [Issued with perforations. Supersedes issue of Nov. 1966.] ● Item 437-A-25
FP 1.18: N 27/967
- 16585 — Texas. July 1967. [2]+48 p. 4° [Issued with perforations. Supersedes issue of July 1966.] ● Item 437-A-41
FP 1.18: T 31/967

FEDERAL REGISTER OFFICE, General Services Administration Washington, D.C. 20408

Code of Federal regulations and Cumulative pocket supplements.

NOTE.—For the convenience of those who maintain complete sets of the Code of Federal regulations, arrangements have been made to supply the 1966 pocket supplements for use during 1967 and any completely revised volumes issued in 1967 on a subscription basis at \$100.00 a year, \$30.00 additional for foreign mailing. The revised volumes and supplements will be mailed as printed and all subscribers will receive expiration notices in ample time to renew their subscriptions, thus avoiding loss of continuity. The Superintendent of Documents will continue to make available the revised volumes and individual supplements for those who do not maintain complete sets.

- 16586 Code of Federal regulations: Title 1 [General provisions], title 2 [Congress], title 3 [the President], revised as of Jan. 1, 1967. [1967.] viii+647 p. [Contains codification of documents of general applicability and future effect as of Jan. 1, 1967, with ancillaries.] * Paper, \$1.75. ● Item 572
L.C. card 49-46198
GS 4.108: 1-3/967
- 16587 United States statutes at large containing laws and concurrent resolutions enacted during 2d session of 89th Congress of United States of America, 1966 and reorganizations plans and proclamations; [published by authority of law under direction of Administrator of General Services by Office of Federal Register, National Archives and Record Service]. 1967.
● Item 576
L.C. card 7-35353
GS 4.111: 80/pt.2
v. 80, pt. 2. Private laws, concurrent resolutions and proclamations. xviii+[1]
+1615-1832 p. large 8° * Cloth, \$2.75.

FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS Washington, D.C. 20551

- 16588 All banks in United States and other areas, principal assets and liabilities, by States, Dec. 31, 1966. July 1967. [4] p. oblong 8° (Federal reserve statistical release E.4(a).) †
FR 1.28/2: 966-2
- 16589 Changes in time and savings deposits, Apr.-July 1967; [prepared by Caroline H. Cagle]. [1967.] [1]+1488-1510 p. 4° [Reprinted from Federal reserve bulletin, Sept. 1967.] †
FR 1.3/a: D 441/11/967-2
- 16590 Financial institutions and urban rehabilitation, remarks by Andrew F. Brimmer, member, Board of Governors of Federal Reserve System, before annual convention of National Bankers Association, Kansas City, Mo., Sept. 22, 1967. [1967.] 23 p. 4° †
FR 1.23: B 77/18
- 16591 Historical chart book, 1967. [1967.] [4]+123 p. il. oblong 8° [Contains charts that supplement monthly Federal reserve chart book.] † Paper, 60c, quantities of 10 or more in single shipment, 50c. each; 10c. additional for foreign mailing, one copy included in annual subscription to Federal reserve chart book.
L.C. card 50-13379
FR 1.30/2: 967
- 16592 Interest cost effects of commercial bank underwriting of municipal revenue bonds. [1967.] p. 1287-1302 4° [Reprinted from Federal reserve bulletin, Aug. 1967.] †
FR 1.3/a: 1n 8/10

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 16593 Liquidity and monetary management in 1967, remarks of George W. Mitchell, member, Board of Governors of Federal Reserve System, at annual convention of Wisconsin Savings and Loan League, Green Bay, Wis., Sept. 23, 1967. 1967. [1]+16 p. 4° † FR 1.23: M 69/42
- 16594 Recent credit and monetary developments. [1967.] p. 1075-1086 il. 4° [Reprinted from Federal reserve bulletin, July 1967.] † FR 1.3/a: C 86/12/967
- 16595 Revision of bank credit series; [prepared by Edward R. Fry and Mary F. Weaver]. [1967.] p. 1511-17, 4° [Reprinted from Federal reserve bulletin, Sept. 1967.] † FR 1.3/a: C 86/21/967
- 16596 Revision of money supply series; prepared by Edward R. Fry, Darwin L. Beck, and Mary F. Weaver. [1967.] p. 1303-1316 il. 4° [Reprinted from Federal reserve bulletin, Aug. 1967.] † FR 1.3/a: M 746/24/967
- 16597 Rules of organization, rules of procedure (12CFR262), as revised effective Aug. 9, 1967. [1967.] [3]+15 p. † FR 1.8/2: Or 3/967
- 16598 Summary of remarks by J. Dewey Daane, member, Board of Governors of Federal Reserve System before 1967 Northern New England School of Banking, University of New Hampshire, Durham, N.H., Sept. 11, 1967. 1967. [4] leaves. 4° † FR 1.23: D 11/13
- 16599 Treasury and Federal reserve foreign exchange operations; prepared by Charles A. Coombs. [1967.] p. 1518-1530, 4° [Reprinted from Federal reserve bulletin, Sept. 1967.] † FR 1.3/a: F 761/2/967-2

FEDERAL SUPPLY SERVICE, General Services Administration
Washington, D.C. 20405

- 16600 Federal specifications. ● Item 563 GS 2.8:

NOTE.—These specifications are now so completely covered by the Index of Federal specifications, standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.

Complete information on the Index of Federal specifications will be found in the Appendix to the February 1967 issue of the Monthly Catalog under Entry number 3409 and in the April 1967 issue under Entry number 6335.

Federal standards. [Issued with perforations.] ● Item 563

GS 2.8/3:(nos.)

NOTE.—Federal standards may be purchased from the General Services Administration, Specifications Activity, Printed Materials, Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.

- 16601 146. Tolerances for copper and copper base alloy mill products, Jan. 16, 1961, Change notice 2; Apr. 24, 1967. [1967.] [1]+29-31 p. 4° †
- 16602 162a. Hose, rubber, visual inspection guide for, May 9, 1967, cover title, 225 p. il. 4° (FSC 4720.) [Text on p. 2 of cover. Supersedes Int. Fed. std. 00162 (NAVY-SHIPS), June 14, 1965.] † Paper, \$1.25.
- 16603 182a. Identification marking of nickel and nickel base alloys; June 9, 1967. [1967.] 7 p. 4° [Supersedes Ftd. std. 182, July 1, 1959.] † Paper, 5c.
- 16604 255a. Mount, film slide, photographic (overhead projector), June 12, 1967, 2 p. 4° (FSC 6750.) [UU-M-650, issue in effect. Supersedes Int. Fed. Std. 00255 (GSA-FSS), Jan. 16, 1967.] † Paper, 5c.

Federal test method standard. [Issued in looseleaf form.] ● Item 563

NOTE.—Federal test method standards may be purchased from the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.

- 16605 101a. Preservation, packaging and packing materials, test procedures, Oct. 21, 1959, Change notice 6; Apr. 24, 1967. [1967.] [38] p. il. 4° † GS 2.8/7: 101a/cb.6
- 16606 GSA stock catalog: pt. 1, General supplies [effective Oct. 1, 1967]. Oct. 1967, cover title, xiv+252 p. il. 4° [Supersedes Stock catalog, pt. 1, Oct. 1966 and supplements.] * Paper, \$2.25 (including basic catalog and sup-

GOVERNMENT PUBLICATIONS

plementary material for an indefinite period), 75 c. additional for foreign mailing. ● Item 565-B GS 2.10/6: pt.1/967

- 16607 GSA stock catalog: pt. 2, Standard forms. Oct. 1967. cover title, 24 p. 4° [Prices apply to orders received Oct. 1, 1967 and until further notice. Text and illustration on p. 2 of cover.] † ● Item 565-B

GS 2.10/6: pt.2/967

- 16608 — pt. 3, Hand tools FSG 21 and FSG 52 items, Apr. 1967, supplement. Oct. 1967. 8 p. 4° [Lists new items and price changes. Effective Oct. 1, 1967. Supersedes July 1967 supplement.] * Paper, 5c. ● Item 565-B

GS 2.10/6: pt.3/967/supp.2

FEDERAL WATER POLLUTION CONTROL ADMINISTRATION, Interior Dept., Washington, D.C. 20242

- 16609 Pollution of Lake Erie and its tributaries, conference proceedings, 3d session, Buffalo, N.Y., Mar. 22, 1967. [1967.] † ● Item 473-A-1

1 67.2: Er 4, 1967/v. (nos.)

v. 1, cover title, a + 1, 3h + 4, 237 p. il. 4°

v. 2, cover title, [1] + 268-488 p. il. 4°

FISH AND WILDLIFE SERVICE, Interior Dept. Washington, D.C. 20240

C.F.S. (series). (Bureau of Commercial Fisheries.) † ● Item 610-A

1 49.8/2: (nos.)

- 16610 4415. Shrimp landings, 1966, annual summary. [June 1967.] 19 p. il. 4° [Prepared in cooperation with Fishery agencies of North Carolina, South Carolina, Florida, Alabama, Louisiana, and Texas.]
- 16611 4416. Florida landings, 1966, annual summary. [May 1967.] 18 p. il. 4° [Prepared in cooperation with Florida State Board of Conservation.]
- 16612 4445. Imports and exports of fishery products, 1963-66, annual summaries. [1967.] 9 p. il. 4°
- 16613 4446. Georgia landings, 1966 annual summary. [July 1967.] 6 p. il. 4° [Prepared in cooperation with Georgia State Game Fish Commission, Atlanta, Ga.]
- 16614 4447. South Carolina landings, 1966, annual summary. [July 1967.] 6 p. il. 4° [Prepared in cooperation with South Carolina Wildlife Resources Department, Division of Commercial Fisheries, Charleston, S.C.]
- 16615 4450. Mississippi landings, 1966 annual summary. [July 1967.] 6 p. il. 4° [Prepared in cooperation with Mississippi Marine Conservation Commission, Biloxi, Miss.]
- 16616 4451. Alabama landings, 1966, annual summary. [July 1967.] 6 p. il. 4° [Prepared in cooperation with Alabama Department of Conservation.]
- 16617 4459. Fish meal and oil, 1966, annual summary. [July 1967.] 4 p. il. 4°
- 16618 4462. Virginia landings, 1966, annual summary. [Aug. 1967.] 12 p. il. 4° [Prepared in cooperation with Virginia Commission of Fisheries, Newport News, Institute of Marine Science, Gloucester Point, Potomac River Fisheries Commission, Colonial Beach.]

Circulars. † ● Item 609

1 49.4: (nos.)

- 16619 259. Steps to effective sanitation in smoked-fish plants, by J. B. Dougherty and Harry L. Seagran. Errata sheet. [1967.] 1 p. 4°
- 16620 262. Report of Technological Laboratory, Bureau of Commercial Fisheries, Pascagoula, Miss., fiscal year 1966 [with list of publications]; by Travis D. Love and Mary H. Thompson. Sept. 1967. iv + 14 p. il. 4° (Bureau of Commercial Fisheries.)

L.C. card 67-60644

- 16621 Native sandhills grasses, Valentine National Wildlife Refuge, Cherry County, Nebr. [1967.] [8] p. il. (Bureau of Sport Fisheries and Wildlife.) [Description of grass plant and reproductions of grass drawings courtesy of Phillips Petroleum Company.] †

1 49.2: G 76

Refuge leaflet. (Bureau of Sport Fisheries and Wildlife.)

- 16622 413. Surplus animal disposal on national wildlife refuges, July 1967. 5 p. il. 4° †

1 49.14: 413

Regulatory announcement.

- 16623 79. Federal regulations governing hunting, possession, transportation, importation of waterfowl, coots, and cranes, gallinules and snipe, 1967-68, Sept. 1967. 16 p. (Bureau of Sport Fisheries and Wildlife.) † ● Item 613

1 49.21: 79

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Resource publications.

I 49.66:(nos.)

- 16624 35-38. Investigations in fish control; 18, Toxicity of 22 therapeutic compounds to 6 fishes [with list of references], by Wayne A. Willford; 19, Toxicity of Bayer 73 to fish [with list of references], by Leif L. Marking and James W. Hogan; 20, Toxicity of dimethyl sulfoxide (DMSO) to fish [with list of references], by Wayne A. Willford; 21, Labor-saving devices for bioassay laboratories [with one reference], by Robert J. Hesselberg and Ralph M. Burress. Apr. 1967. [42] p. il. 4° (Bureau of Sport Fisheries and Wildlife.) * Paper, 30c. ● Item 613-B
- 16625 40. Division of Fishery Services, annual report for 1966, with summary of accomplishments, 1957-66; [by] Willis King. June 1967. vi+55 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) ‡
- 16626 41. Annual report for 1966, cooperative fishery units; prepared by Travis Roberts. June 1967. iv+80 p. il. 4° (Division of Fishery Services, Bureau of Sport Fisheries and Wildlife.) [Includes list of publications and papers prepared and presented by unit personnel.] ‡
L.C. card 66-60288

Special scientific reports: Fisheries (series) (Bureau of Commercial Fisheries.) ‡ ● Item 614-B I 49.15/2:(nos.)

- 16627 532. Trade wind zone oceanography pilot study; pt. 1, Townsend Cromwell cruises 1, 2, and 3, Feb.-Apr. 1964 [with list of literature cited]; by Robert L. Charnell, David W. K. Au, and Gunter R. Seckel. June 1967. v+75 p. il. 4°
- 16628 553. Same: pt. 2, Townsend Cromwell cruises 4, 5, and 6, May-July 1964 [with list of literature cited]; by Robert L. Charnell, David W. K. Au, and Gunter R. Seckel. June 1967. v+78 p. il. 4°
- 16629 554. Same: pt. 3, Townsend Cromwell cruises 8, 9, and 10, Sept.-Nov. 1964 [with list of literature cited]; by Robert L. Charnell, David W. K. Au, and Gunter R. Seckel. June 1967. v+78 p. il. 4°
- 16630 555. Same: pt. 4, Townsend Cromwell cruises 11, 12, and 13, Dec. 1964-Feb. 1965 [with list of literature cited]; by Robert L. Charnell, David W. K. Au, and Gunter R. Seckel. June 1967. v+78 p. il. 4°
- 16631 556. Same: pt. 5, Townsend Cromwell cruises 14 and 15, Mar. and Apr. 1965 [with list of literature cited]; by Robert L. Charnell, David W. K. Au, and Gunter R. Seckel. June 1967. iv+54 p. il. 4°
- 16632 557. Same: pt. 6, Townsend Cromwell cruises 16, 17, and 21, May and June 1965 and Jan. 1966 [with list of literature cited]; by Robert L. Charnell, David W. K. Au, and Gunter R. Seckel. June 1967. iv+59 p. il. 4°

— Wildlife (series). (Bureau of Sport Fisheries and Wildlife.) ● Item 614-C I 49.15/3:(nos.)

- 16633 100. Green-winged teal, its distribution, migration, and population dynamics, Corrections. [1967.] [3] p. il. 4° ‡
- 16634 103. Contributions toward bibliography on brant; by Jerry L. Hout. May 1967. [1]+15 p. 4° * Paper, 20c.
- 16635 104. Magpie reduction in an urban roost [with list of literature cited]; by Joseph L. Gnarino and Edward W. Schafer. June 1967. ii+5 p. 4° ‡

Technical papers. (Bureau of Sport Fisheries and Wildlife.)

- 16636 13. Test of different components in Abernathy salmon diet [with list of literature cited]; by Laurie G. Fowler and Joe L. Banks. Aug. 1967. 18 p. 4° * Paper, 20c. ● Item 615-A I 49.68:13

Wildlife leaflet.

- 16637 476. Protecting corn from blackbirds; by Robert T. Mitchell and John T. Linehan. Aug. 1967. 8 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) ‡
I 49.13:476

FLIGHT STANDARDS SERVICE, Transportation Dept.
Washington, D.C. 20553

- 16638 Acceptable methods, techniques, and practices: Aircraft alterations, Change 2. [1967.] [22] p. il. 4° (Advisory circular AC 43.13-2, change 2.) [Effective May 26, 1967. Issued in looseleaf form.] * Paper, \$1.00 (including basic book and supplementary material for an indefinite period); 25c. additional for foreign mailing. ● Item 431-F-6
FAA 5.16:965/ch.2

FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare
Dept., Washington, D.C. 20201

FDA poster.

- 16639 2. Use medicated feeds carefully and wisely, protect public health, avoid economic loss. June 1967. 20 x 16 in. * Paper, \$11.25 per 100; single copy, 15c.
FS 13.127:2

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 16640 Pesticide analytical manual: v. 2, Methods for individual pesticide residues; compiled and edited by R. E. Duggan [and others]. Revised July 1967. [1967.] [371] p. il. 4" [References interspersed. Issued in loose-leaf form.] ‡ FS 13.119: P 43/ v.2/967

FOREIGN AGRICULTURAL SERVICE, Agriculture Dept. Washington, D.C. 20250

[Foreign Agricultural Service miscellaneous], FAS M (series).

A 67.26:(nos.)

- 16641 191. U.S. imports of horticultural products; [by Richard B. Schroeter]. Aug. 1967. iv+24 p. il. 4" †
L.C. card Agr 67-365
- 16642 192. Common Market grain statistics 1955-56 through 1965-66. Sept. 1967. [2]+21 p. il. 4" [This report revises and updates many of earlier series, and also contains some additional price data.] † ● Item 76 G
- 16643 193. Report on agricultural trade negotiations of Kennedy Round. Sept. 1967. v+151 p. 4" [Errata, 2 p., issued also]. * Paper, 75c. ● Item 76-G

FOREST SERVICE, Agriculture Dept. Washington, D.C. 20250

- 16644 Computer program for calculating veneer recovery volume and value; [by] Richard O. Woodlin, jr., Mary Anne Mei. July 1967, cover title, [2]+39 p. 4" (Pacific Northwest Forest and Range Experiment Station.) [Text on p. 2 of cover. References in footnotes.] † A 13.66/2: V 55
- 16645 Distribution of plant-parasitic nematodes associated with forest trees of world [with list of literature cited]; by John L. Ruehle. May 1967, cover title, 156 p. il. 4" (Southeastern Forest Experiment Station, Asheville, N.C.) †
L.C. card 67-62723 A 13.63/2: N 34
- Forest pest leaflets. † ● Item 82-A A 13.52:(nos.)
- 16646 12. Black turpentine beetle; [with list of references]; by R. H. Smith and R. E. Lee. Mar. 1957, slightly revised July 1967. [1967.] 7 p. il. L.C. card Agr 67-343
- 16647 109. Hemlock borer [with list of references]; by Harvey J. MacAloney. Sept. 1967. 4 p. il. 4" L.C. card Agr 67-366
- 16648 Help Lassie keep America beautiful; [colored poster]. 1967. 18.5 x 12.5 in. (P64-S.) * Cardboard \$15.00 per 100; single copy 20c. A 13.20/3: B 38
- 16649 Key to Nearctic parasites of genus Rhyacionia, with species annotations [with list of literature cited]; by Harry O. Yates III. May 1967, cover title, 127 p. il. 4" (Southeastern Forest Experiment Station, Asheville, N.C.) [Text on p. 2 and 3 of cover.] †
L.C. card 67-62740 A 13.63/2: P 21
- 16650 List of available publications. (Pacific Southwest Forest and Range Experiment Station.) [Quarterly.] † A 13.62/1-3:(date)
Apr. 1967—
- 16651 Protecting national forest resources: Areas of limited public use in national forests in California. May 1967. [4] p. 12" † A 13.2: N 21/20
- 16652 Relationship between timber and cattle production on ponderosa pine range, Wild Bill Range; by Henry A. Pearson and Donald A. Jameson. 1967. [2]+10 p. il. 4" (Rocky Mountain Forest and Range Experiment Station.) †
A 13.69/2: T 48
- 16653 Report of Chief of Forest Service, 1966. [Aug. 1967.] iii+56 p. 4" [Covers calendar year activities unless otherwise identified; records on fiscal year basis are so reported.] * Paper, 35c. ● Item 80
L.C. card Agr 12-394 A 13.1: 966
- Research note INT-(series). (Intermountain Forest & Range Experiment Station, Ogden, Utah.)
- 16654 INT-63. Tree characteristics influence 2 x 4 stud yield of lodgepole pine; [by] E. S. Kotok. 1967. 8 p. il. 4" † A 13.79: INT-63

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Research note PNW-(series). (Pacific Northwest Forest and Range Experiment Station, Portland, OR.) † A 13.79: PNW-(nos.)

- 16655 PNW-53. Elevation effects on rainfall near Hollis, Alaska [with list of literature cited]; by W. J. Walkotten and J. H. Patrie. May 1967. 8 p. il. 4°
- 16656 PNW-57. Two simple, time-saving techniques for studies of soil micro-organisms. [by] J. L. Neal, Jr. [and others]. July 1967. 3 p. il. 4° [Text derived from two simple, time-saving techniques for studies of soil microbial populations and subsequent culture characterization, published in Soil Biology, Int. news bulletin, Comm. III Int. Soc. Soil Sci. no. 6, Dec. 1966.]

Research note PSW-(series). (Pacific Southwest Forest & Range Experiment Station, Berkeley, Calif.) † A 13.79: PSW-(nos.)

- 16657 PSW-140. Zectran fed orally to mice, cholinesterase levels in blood determined; [by] Jean Marie Lang, Raymond P. Miskus. 1967. 3 p. il. 4°
- 16658 PSW-141. Spread of dwarfmistletoe into Jeffrey pine plantation, trees infected after 22 years [with list of literature cited; by] Robert F. Scharpf, J. R. Parmeter, Jr. 1967. 6 p. il. 4°
- 16659 PSW-142. Wedge measures parallax separations on large-scale 70-mm. aerial photographs; [by] Steven L. Wert, Richard J. Myhre. 1967. 2 p. il. 4°
- 16660 PSW-114. Broadcast seeding ponderosa pine on Challenge Experimental Forest, progress report; [by] Dale O. Hall. 1967. 4 p. il. 4°

Research paper FPL-(series). (Forest Products Laboratory, Madison, Wis.)

- 16661 FPL-76. Appalachian hardwoods for pallets, laboratory evaluation; [by] R. S. Kurtenacker, T. B. Heebink, D. E. Dunmire]. July 1967. cover title. 20 p. il. 4° [Text on p. 2 of cover. Accompanied by abstract cards.] † A 13.78: FPL-76

Research paper PNW-(series). (Pacific Northwest Forest and Range Experiment Station.) † A 13.78: PNW-(nos.)

- 16662 PNW-43. Investigating dominance in Douglass-fir stands [with list of literature cited]; by Kenneth W. Krueger. Mar. 1967. cover title, [1]+10+[1] p. il. 4°
- 16663 PNW-44. Fluctuations in forage quality on summer range in Blue Mountains [with list of literature cited]; by Jon M. Skovlin. 1967. cover title, 1+20+[1] p. il. 4°

Research paper PSW-(series). (Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.)

- 16664 PSW-40. Requirements for new housing in Hawaii, 1965-70, forecast; [by] John D. Zinnikas, R. Sidney Boone. 1967. cover title, [2]+6 p. il. 4° [Abstract cards inserted.] † A 13.78: PSW-40

Resource bulletin PSW-(series). (Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.)

- 16665 PSW-6. Plantation timber on Island of Kauai, 1965; [by] Nobuo Handa, Wesley H. C. Wong, Jr., [and] Robert E. Nelson. 1967. cover title, [2]+34 p. il. 4° [Prepared in cooperation with Division of Forestry, Department of Land and Natural Resources, Hawaii, Honolulu, Hawaii. Text on p. 2 of cover.] † A 13.80: PSW-6

Resource bulletin SO-(series). (Southern Forest Experiment Station, New Orleans, La.)

- 16666 SO-8. Forest industries in Appalachia counties of Tennessee; by Charles C. Van Sickle. 1967. cover title, [2]+21 p. il. 4° [Text on p. 2 of cover.] † A 13.80: SO-8

GENERAL ACCOUNTING OFFICE Washington, D.C. 20548

- 16667 List of GAO publications, June 1967. [2]+26 p. narrow 8° † GA 1.16: P 96, 967

- 16668 Report to Congress of United States: Government-wide review of administration of certain statutory and regulatory requirements relating to architect-engineer fees; by Comptroller General of United States. Apr. 1967. [7]+124 leaves, 4° † Paper, \$1.00. GA 1.13: Ar 2/3

- 16669 — Need for improved planning and surveillance of economic development projects in India, Agency for International Development, Department of State; by Comptroller General of United States. Sept. 1967. cover title, [4] leaves+53 p. 4° † Paper, \$1.00. L.C. card 67-62708 GA 1.13: In 2/10

‡For Sale by Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 16670 Report to Congress of United States: Need for procedures to preclude more than just compensation in acquiring oil interests, Corps of Engineers (civil functions), Department of Army; by Comptroller General of United States. Sept. 1967. cover title, [3]+19 p. 4° † Paper, \$1.00.
L.C. card 67-62661 GA 1.13: Oi 5/2
- 16671 — Opportunities for improvement in administration of contract for operation of National Center for Atmospheric Research, Boulder, Colo., National Science Foundation; by Comptroller General of United States. Sept. 1967. cover title, [4] leaves+45 p. il. 4° † Paper, \$1.00.
L.C. card 67-62662 GA 1.13: At 6/2
- 16672 — Opportunities for savings through use of spare Government-owned communications circuits in Europe, Department of Defense; by Comptroller General of United States. Sept. 1967. cover title, [3] leaves+21 p. 4° † Paper, \$1.00.
L.C. card 67-62506 GA 1.13: C 73/26
- 16673 — Opportunity for savings by adopting manufacturers' recommended preventive maintenance programs for interagency motor pool vehicles, General Services Administration; by Comptroller General of United States. Oct. 1967. cover title, [3] leaves+36 p. 4° † Paper, \$1.00.
L.C. card 67-62683 GA 1.13: M 85/11
- 16674 — Procurement of nuclear submarine propulsion equipment under Public law 87-653, Department of Navy; by Comptroller General of United States. Aug. 1967. cover title, [3] leaves+27 p. 4° † Paper, \$1.00.
L.C. card 67-62306 GA 1.13: N 88/10
- 16675 — Review of examination function of small business investment company programs, Small Business Administration; by Comptroller General of United States. Sept. 1967. cover title, [3] leaves+27 p. 4° † Paper, \$1.00.
L.C. card 67-62671 GA 1.13: Sm 1/4
- 16676 — Review of inventory accounting systems for aeronautical equipment, Department of Navy; by Comptroller General of United States. Sept. 1967. cover title, [3] leaves+40 p. 4° † Paper, \$1.00.
L.C. card 67-62663 GA 1.13: Ac 8/13
- 16677 — Review of projects in Colombia showing need for improvements in planning and supervision, Agency for International Development, Department of State; by Comptroller General of United States. Sept. 1967. cover title, [3] leaves+56 p. 4° † Paper, \$1.00.
L.C. card 67-62507 GA 1.13: C 71/2
- 16678 — Savings available if Community Credit Corporation recovers interest costs on repaid price-support loans and on storage facility and equipment loans, Department of Agriculture; by Comptroller General of United States. Sept. 1967. cover title, [3] leaves+21 p. 4° † Paper, \$1.00.
L.C. card 67-62505 GA 1.13: C 73/25

GENERAL SERVICES ADMINISTRATION Washington, D.C. 20405

- 16679 Federal fire experience FY 1966. [Aug. 1966.] cover title, ii+6 p. il. 4° (Federal Fire Council.) [Condensed report. Text on p. 2 and 3 of cover.] †
GS 1.14/2: 966

GEOLOGICAL SURVEY, Interior Dept. Washington, D.C. 20405

- 16680 Annual peak discharge at selected gaging stations in Pacific Northwest, 1966-67. Sept. 7, 1967. 2 leaves, oblong 8° (Water Resources Division.) [Provisional, subject to revision. Issued with perforations.] †
I 19.45/3: 966-67
- Bulletins. ● Item 620 I 19.3: (nos.)

- 16681 1182. Contributions to economic geology, 1963 [title page and contents]. [1967.] [3] p. [This volume was published as separate chapters A-E.] †

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

- 16682 1216. Geology of Republic quadrangle and part of Ardenas quadrangle, Ferry County, Wash. [with list of references cited]; by Siegfried Muessig. 1967. vi+135 p. il. 1 pl. in pocket. [Geology of area in northeastern Washington that contains important gold-silver deposits and major structural feature, Republic graben. Plate is colored.] * Paper, \$1.25. L.C. card GS 67-178
- 16683 1231. Geology and ore deposits of Lawson Dumont Fall River district, Clear Creek County, Colo. [with list of references cited]; by C. C. Hawley and Frank Baker Moore. 1967. vi+92 p. il. 4 pl. in pocket. [Prepared on behalf of Atomic Energy Commission, Description of general geology and ore deposits of district which forms northwestern part of important Central City-Idaho Springs mineralized area. Some plates are colored.] * Paper, \$2.00. L.C. card GS 67-265
- 16684 1241-F. Geology and petrology of Greenville quadrangle, Piscataquis and Somerset Counties, Maine [with list of references cited]; by G. H. Espen-shade and E. L. Bondette. 1967. v+60 p. il. 1 pl. in pocket. [Description of metasedimentary, mafic, and granite rocks of Paleozoic age. Contributions to general geology.] * Paper, 65c.
- 16685 1241-G. Bedrock geology of Chepachet quadrangle, Providence County, R.I. [with list of references cited]; by Alonzo W. Quinn. 1967. iv+26 p. il. 1 pl. in pocket [Prepared in cooperation with State of Rhode Island Development Council. Contributions to general geology. Plate is colored.] * Paper, 75c.
- 16686 1241 I. Debris flow and erosion control problems caused by ash eruptions of Irazú Volcano, Costa Rica [with list of references]; by Howard H. Waldron. 1967. iv+37+[3] p. il. 1 pl. in pocket. [Prepared in co-operation with Oficina de Defensa Civil and Oficina de Planificación de Costa Rica under auspices of International Development Agency, State Dept. Contributions to general geology. Includes title page and contents to bulletin 1241.] * Paper, 55c.
- 16687 1252-D. Phosphate deposits [with list of references cited]; by V. E. McKelvey. 1967. iii+21 p. il. [Summary of salient features of geology of phosphate deposits, their origin, and distribution. Contributions to economic geology.] * Paper, 15c.

Circulars. † ● Item 620-A

I 19.4/2: (nos.)

- 16688 544. Determination of gold in geologic materials by solvent extraction and atomic absorption spectrometry [with list of references]; by Claude Huffman, Jr., K. D. Mensik, and L. E. Riley. 1967. iii+6 p. il. 4° L.C. card GS 67-305
- 16689 555. Bedded barite in East Northumberland Canyon, Nye County, Nev. [with list of references cited]; by D. R. Shawe, F. G. Poole, and D. A. Brobst. [1st and 2d printings 1967.] 1967. [2]+8 p. il. 4° L.C. card GS 67-306

- 16690 Hydrology of National Reactor Testing Station area, Idaho, annual progress report, 1965 [with selected references]; by J. T. Barracough, W. E. Teasdale, and R. C. Jensen. Feb. 1967. x+107 p. il. 4° [Open file report. Prepared in cooperation with Atomic Energy Commission.] ‡

I 19.2: II 99/965

Professional papers. ● Item 624

I 19.16: (nos.)

- 16691 515. Paleotectonic investigations of Permian system in United States [with list of references cited]; by E. D. McKee and others. 1967. xiii+271 p. il. 6 pl. 1 tab. in pocket, large 4° [Includes title page and contents to Professional paper 515. Four plates are colored.] * Paper, \$4.00. L.C. card GS 67-1944
- 16692 524-G. Gulf Series in subsurface in northern Florida and southern Georgia [with list of references cited]; by Paul L. Applin and Esther R. Applin. 1967. iii+35+[2] p. il. 8 pl. 7 are in pocket. [Stratigraphy, structure, litho-facies, and micropaleontology of buried rocks of pre-Gulf surface, Atkinson Formation, and stratigraphic units of Austin, Taylor, and Navarro age. Shorter contributions to general geology.] * Paper, \$2.25.
- 16693 552. Stratigraphy and regional tectonic implications of part of Upper Cretaceous and Tertiary rocks, east-central San Juan Basin, N. Mex. [with list of references]; by Elmer H. Baltz. 1967. iv+101 p. il. 4° [Prepared in cooperation with Jicarilla Apache Tribe. Issued in portfolio with 8 pl. One plate is colored.] * Paper, \$5.25. L.C. card GS 67-221
- 16694 557. Geology of Connors Pass quadrangle, Schell Creek range, east-central Nevada [with list of references cited]; by Harold Drewes. 1967. iv+93 p. il. 3 pl. in pocket, 4° [Stratigraphy and structure of complexly deformed area in Basin and Range province, and evaluation of tectonic environment in which it was developed. Two plates are colored.] * Paper, \$1.75. L.C. card GS 67-190
- 16695 562-B. Flume experiments on transport of coarse sand [with list of references]; by Garrett P. Williams. 1967. iv+31 p. il. 4° [Sediment transport in alluvial channels.] * Paper, 30c.

GOVERNMENT PUBLICATIONS

Professional papers—Continued

- 16696 566. Younger Precambrian geology in southern Arizona [with list of references cited]; by Andrew P. Shride. 1967. iv+89 p. il. 4°. [Stratigraphic, lithologic, and structural features of younger Precambrian rocks of southern Arizona as basis for understanding their paleogeography and establishing their correlation.] * Paper, 65c.
L.C. card GS 67-238
- 16697 583-A. Some silicified Middle Ordovician brachiopods from Kentucky [with list of references]; by Robert B. Neuman. 1967. iii+14+[2] p. il. 2 pl. 4°. [Prepared in cooperation with Kentucky Geological Survey. Descriptions of 1 strophomenid and 4 enteletacean brachiopods. Contributions to Ordovician paleontology of Kentucky.] * Paper, 30c.
- 16698 583-B. Calymenid and other Ordovician trilobites from Kentucky and Ohio [with list of references]; by Reuben James Ross, jr. 1967. iii+[2]+19 p. il. 5 pl. 4°. [Prepared in cooperation with Kentucky Geological Survey. Species of trilobites *Isotelus*, *Bathyrurus*?, *Proetidelia*, *Gravicalymene*, *Flexicalymene*, and *Acidaspis* described from Middle and Upper Ordovician strata of Kentucky. Contributions to Ordovician paleontology of Kentucky.] * Paper, 45c.
- 16699 593-A. Permian tethyan fusulinids from California [with list of references cited]; by Raymond C. Douglass. 1967. iii+13+[2] p. il. 6 pl. 4°. [Fossil evidence for existence of shallow seaway from Japan to California during Early Permian time. Contributions to paleontology.] * Paper, 40c.

Water-supply papers. • Item 625

I 19.13: (nos.)

- 16700 1594-E. Artificial recharge through well tapping basalt aquifers at The Dalles, Oreg. [with list of references]; by B. L. Foxworthy and C. T. Bryant. 1967. iv+55 p. il. 1 pl. in pocket. [Prepared in cooperation with city of The Dalles. Artificial recharge of ground water.] * Paper, 55c.
- 16701 1662-D. Specific yield, compilation of specific yields for various materials [with list of references cited]; by A. I. Johnson. 1967. v+74 p. il. [Prepared in cooperation with California Department of Water Resources. Hydrologic properties of earth materials.] * Paper, 30c.
- 16702 1824. Ground-water levels in United States 1960-64: South-Central States [with lists of references; prepared by personnel of Water Resources Division]. 1967. v+152 p. il. [Prepared in cooperation with Arkansas, Louisiana, Oklahoma and Texas, and with other agencies.] * Paper, 45c.
L.C. card GS 63-159
- 16703 1829. Swatara Creek basin of southeastern Pennsylvania, evaluation of its hydrologic system [with list of selected references]; by Wilbur T. Stuart, William J. Schneider, and James W. Crooks. [1967.] vii+79 p. il. [Evaluation of water resources in area of rapidly growing population and industry. Issued in portfolio with 3 pl.] * Paper, \$4.25.
L.C. card GS 67-159
- 16704 1839-N. Hydrologic data for Oak Ridge area, Tenn. [with list of references]; by William M. McMaster. 1967. v+60 p. il. [Prepared in cooperation with Atomic Energy Commission. Contributions to hydrology of United States.] * Paper, 25c.
- 16705 1841. Geology and ground water of Savannah River plant and vicinity, S.C. [with list of references]; by George E. Siple. 1967. vi+113 p. il. 6 pl. in pocket [Prepared in cooperation with Atomic Energy Commission.] * Paper, \$1.75.
L.C. card GS 67-215

HEALTH, EDUCATION, AND WELFARE DEPARTMENT Washington, D.C. 20201

- 16706 Reference facts on health, education, and welfare. June 1967. iv+79 p. oblong 48°. (Office of Assistant Secretary for Program Coordination.) [Includes Edge index on p. 4 of cover.] * Paper, 30c. • Item 445
FS 1.2: H 34/6/967

HOUSING AND URBAN DEVELOPMENT DEPARTMENT Washington, D.C. 20410

- 16707 Creative federalism in the city, address by Norman Beckman, Director, Office of Intergovernmental Relations and Urban Program Coordination, Department of Housing and Urban Development, before 65th annual conference of State Association of County Assessors of California and State Board of Equalization, Kona Kai Club, San Diego, Calif., Sept. 11, 1967. [1967.] [1]+16 p. 4° †
HH 1.7: B 38

HUD IP—(series).

- 16708 31. Financing home purchases and home improvements. [July 1967.] 16 p. narrow 8° (HUD consumer bulletin; Federal Housing Administration.) * Paper, 10c. • Item 582-G
HH 1.27: 51

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

HUD MP (series). ● Item 582-G

HH 1.28:(nos.)

- 16709 1. Building a better America. [June 1967.] 42+[2] p. il. 4° [Some illustrations are colored.] * Paper, 65c.
16710 50. 1966 Department of Housing and Urban Development honor awards for design excellence. [1967.] cover title, 36 p. il. oblong 8° †

HUD TS-(series).

- 16711 20. Plant relocation and core city worker, commuting and housing decisions of relocated workers, Boston experience, Jan. 1967 [with bibliography]; by Everett J. Burt, jr. [May 1967.] [6]+162+[8] p. il. 4° [Prepared under contract H-631 with Boston University.] * Paper, \$1.00. ● Item 593-C L.C. card 67-62554 HH 1.31: 20
16712 Information for applicants, senior citizens house loan program. [1967.] cover title, [3]+15 p. il. 4° † ● Item 582 HH 1.2: Se 5/5
16713 Let's urbanize conservation education, remarks of Dwight F. Rettie, director, Division of Land Development, Department of Housing and Urban Development, before 14th annual National Conservation Education Association conference, Southwest State College, Springfield, Mo., Aug. 23, 1967. [1967.] 6 p. 4° † HH 1.7: R 31
16714 Metropolitan development and budgeting, step toward creative Federalism, remarks of Charles M. Haar, Assistant Secretary for Metropolitan Development, Department of Housing & Urban Development, at Columbia University, New York City, Sept. 21, 1967. [1967.] [1]+14 p. 4° † HH 1.7: H 11
16715 Programs for better cities, address by Don Hummel, Assistant Secretary, Renewal and Housing Assistance, Department of Housing and Urban Development, to League of Kansas Municipalities, Hutchinson, Kans., Sept. 26, 1967. 1967. [1]+6 p. 4° † HH 1.7: H 88/3
16716 Rediscovery of American city, address by Robert C. Wood, Under Secretary, Department of Housing and Urban Development, MIT Alumni seminar, 1967, Cambridge, Mass., Sept. 8, 1967. [1967.] 20 p. 4° † HH 1.7: W 85/2

INTERIOR DEPARTMENT
Washington, D.C. 20240

NOTE.—Requests to the Interior Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 16717 The Potomac, report on its imperiled future and guide for its orderly development, prepared by Potomac Planning Task Force, assembled by American Institute of Architects; with introduction by Stewart L. Udall. 1967. 103 p. il. 4° [Dust cover furnished by American Institute of Architects.] * Cloth, \$5.00. ● Item 603 I 1.2: P 84/3
L.C. card 67-22805
[Saline water] research and development progress report.
16718 254. 3d annual report, brackish water conversion demonstration plant no. 4, Roswell, N. Mex., [July 1, 1965-June 30, 1966], [with bibliography]; by American Hydrotherm Corporation, N.Y. Mar. 1967. [8]+135+vi+[2] p. il. 1 pl. 4° ([Contract 14-01-0001-322.]) [Series indicated on title page as Saline water conversion progress report.] * Paper, \$1.00. ● Item 604-A-1 I 1.88: 254
16719 Strategy for clean water, remarks of Frank C. DiLuzio, Assistant Secretary of Interior for Water Pollution Control, to American Society of Civil Engineers, New York, N.Y., Oct. 16, 1967. [1967.] 12 leaves, 4° † I 1.68: D 58/3

INTERNAL REVENUE SERVICE, Treasury Dept.
Washington, D.C. 20224

- 16720 Description of available forms relating to Alcohol & Tobacco Tax Division activities. May 1967. cover title, ii+12+[1] p. il. 4° (Pub. 480 (5-67).) * Paper, 15c. ● Item 956 T 22.2: A1 1/4

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 16721 Detection and investigation of attempted criminal violations of tax laws. [Revised edition.] [1967.] [6] p. il. 4° (Document 5490 (Rev. 2-67).) † ● Item 956 T 22.2: V 81/967
- 16722 Internal revenue bulletin index-digest quarterly system: Service 1, Tax matters other than alcohol, tobacco, and firearms, 1965-66, transmittal 8; Mar. 22, 1967. [1967.] [497 p.] (Document 5378.) [Consists of Finding list and Digests for all matters of permanent nature, other than alcohol, tobacco, and firearms taxes, published in Internal revenue bulletin during 1965 and 1966. Issued in looseleaf form.] * Paper, \$1.75. T 22.25/3: trans.8
- 16723 Looseleaf regulations system: Service 1, Income tax, transmittal 97. Aug. 25, 1967. [39] p. 4° ● Item 961 T 22.19/3: 1/trans.97
NOTE.—Service 1 consists of pts. 1, 2, 18, and 19 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$16.00 (including basic material and supplements issued irregularly for approximately 3 years); \$4.00 additional for foreign mailing.
- 16724 Tobacco tax guide, transmittal 19; Aug. 31, 1967. [1967.] [47] p. il. 4° (Publication 461.) [Issued in looseleaf form.] * Paper, \$3.50 (including basic guide and supplementary material for an indefinite period); \$1.00 additional for foreign mailing. ● Item 956-A T 22.19/5: 964/trans.19

INTERNATIONAL DEVELOPMENT AGENCY, State Dept. Washington, D.C. 20523

- 16725 Financial summary, foreign economic assistance [as of] May 31, 1967. [July 11, 1967.] cover title, i+17 p. oblong 8° (W-210; Office of Controller.) † S 18.2: F 76/6

INTERSTATE COMMERCE COMMISSION Washington, D.C. 20423

- 16726 Cost of transporting freight by class 1 and class 2 motor common carriers of general commodities by regions or territories, 1966. Sept. 1967. cover title, [1]+vi+195 p. 4° (Statement 8-67; Bureau of Accounts.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] * Paper, \$1.00. ● Item 682-A IC 1 acco.2: F 88/16/966
- 16727 Decisions of Interstate Commerce Commission, Feb.-Sept. 1965, 1967. xxiii +899 p. (Interstate Commerce Commission reports, v. 325.) * Cloth, \$4.25. ● Item 677 IC 1.6: 325
L.C. card 8-30656
- 16728 Schedule of annual indices for carriers by railroad, 1914-65 [revised pages for year 1966]. [41] p. il. 4° (Bureau of Accounts.) † IC 1 acco.2: R 13/6/966 rev. pages
- 16729 Transport statistics in United States, 78th annual report on transport statistics for year ended Dec. 31, 1964; prepared by Bureau of Accounts. [Issued in sections and parts punched for binders. This 1964 report when completed will consist of pts. 1, 4, 5, 6, 7, 8, and 9.] * Paper, subscription, \$5.00 for all parts of one year's report; \$1.25 additional for foreign mailing. ● Item 699 IC 1.25: 964/pt.5/release 2
L.C. card 5-11209
pt. 5. Carriers by water [release 2]. [1967.] [23] p. 4°

JOINT CHIEFS OF STAFF, Defense Dept. Washington, D.C. 20301

JCS pub. (series).

- 16730 2. Unified action Armed Forces (UNAAF). [Change 10]. [1967.] [11] p. 4° [Issued in looseleaf form.] † ● Item 315-C D 5.12: 2/ch.10

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

NOVEMBER 1967

- 16731 National security management: Defense transportation, Military Traffic Management and Terminal Service; by Arnold E. Ostrom. 1967. v+74 p. il. ([Monograph series]; Industrial College of Armed Forces.) ‡
● Item 315-B D5.9/4: T68

JOINT PUBLICATIONS RESEARCH SERVICE Washington, D.C. 20443

NOTE.— Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately.

- 16732-1 Communist China digest, no. 189; JPRS 42503.
16732-2 Communist Chinese scientific abstracts: Agricultural science and technology, nos. 51-62; JPRS 42484, 42495, 42501, 42524, 42545, 42546, 42637, 42668, 42681, 42695, 42809, 42829.
16732-3 Communist Chinese scientific abstracts: Bio-medical sciences, nos. 240-254; JPRS 42478, 42523, 42557, 42569, 42589, 42594, 42598, 42640, 42667, 42680, 42723, 42735, 42749, 42751, 42832.
16732-4 Communist Chinese scientific abstracts: Chemistry, nos. 85-86; JPRS 42500, 42570.
16732-5 Communist Chinese scientific abstracts: Earth sciences, nos. 121-124; JPRS 42494, 42724, 42761, 42795.
16732-6 Communist Chinese scientific abstracts: General science, nos. 39-43; JPRS 42496, 42502, 42599, 42620, 42669.
16732-7 East European scientific abstracts: Bio-medical sciences, nos. 82-85; JPRS 42477, 42593, 42693, 42821.
16732-8 East European scientific abstracts: Chemistry, no. 93; JPRS 42684.
16732-9 East European scientific abstracts: Cybernetics, computers, and automation technology, nos. 29-31; JPRS 42611, 42784, 42822.
16732-10 East European scientific abstracts: Earth sciences, no. 59; JPRS 42685.
16732-11 East European scientific abstracts: Electronics and electrical engineering, nos. 38-39; JPRS 42768, 42823.
16732-12 East European scientific abstracts: Engineering and equipment, nos. 36-38; JPRS 42480, 42715, 42824.
16732-13 East European scientific abstracts: Materials science and metallurgy, nos. 16-17; JPRS 42482, 42769.
16732-14 East European scientific abstracts: Physics and mathematics, nos. 83-84; JPRS 42508, 42785.
16732-15 Economic and geographic translations on Latin America, nos. 90-92; JPRS 42504, 42641, 42673.
16732-16 Epidemiology reports from the world press, no. 22; JPRS 42790.
16732-17 Index of La Stampa and La Stampa sera, nos. 382-385; JPRS 42498, 42570, 42698, 42766.
16732-18 Index of Le Monde, nos. 86-87; JPRS 42697, 42812.
16732-19 Military information on Eastern Europe, nos. 169-171; JPRS 42489, 42521, 42626.
16732-20 Political translations on Eastern Europe, nos. 289-296; JPRS 42509, 42580, 42619, 42716, 42746, 42774, 42789, 42825.
16732-21 Press information report on Albania, nos. 226-229; JPRS 42573, 42614, 42694, 42759.
16732-22 Press information report on Iran, nos. 30-31; JPRS 42535, 42672.
16732-23 Sociological translations on Eastern Europe, nos. 467-472; JPRS 42510, 42615, 42659, 42705, 42717, 42826.
16732-24 Soviet military translations, no. 399; JPRS 42811.
16732-25 Space biology and medicine, v. 1, nos. 2-3; JPRS 42635, 42730.
16732-26 Translations from Hoc tap (Studies), North Vietnam, no. 7, 1967; JPRS 42718.
16732-27 Translations from Hung-ch'i (Red flag), no. 66; JPRS 42678.
16732-28 Translations from Kommunist, no. 11, 1967; JPRS 42702.
16732-29 Translations on Africa, nos. 639-641; JPRS 42483, 42534, 42559, 42591, 42596, 42664, 42682, 42725, 42745, 42801, 42810, 42831.
16732-30 Translations on Communist China: Economic, no. 32; JPRS 42830.
16732-31 Translations on Communist China: Political and sociological, nos. 422-423; JPRS 42525, 42558.
16732-32 Translations on Cuba, nos. 616-624; JPRS 42499, 42549, 42608, 42622, 42677, 42741, 42753, 42775, 42792.
16732-33 Translations on East European agriculture, forestry, and food industries, nos. 582-591; JPRS 42490, 42531, 42574, 42616, 42638, 42706, 42742, 42760, 42786, 42807.
16732-34 Translations on East European electronic and precision equipment industries, nos. 18-19; JPRS 42479, 42720.
16732-35 Translations on East European foreign trade, nos. 355-361; JPRS 42511, 42522, 42627, 42719, 42734, 42747, 42787.
16732-36 Translations on East European machinery industries, nos. 34-36; JPRS 42516, 42584, 42743.
16732-37 Translations on East European materials industries, nos. 389-397; JPRS 42486, 42491, 42512, 42555, 42639, 42660, 42666, 42748, 42827.
16732-38 Translations on East European service industries, nos. 559-566; JPRS 42513, 42550, 42618, 42686, 42708, 42739, 42794, 42808.
16732-39 Translations on economic organization and management in Eastern Europe, nos. 735-748; JPRS 42492, 42493, 42515, 42532, 42577, 42601, 42617, 42661, 42687, 42704, 42731, 42740, 42770, 42828.
16732-40 Translations on international Communist developments, nos. 995-997; JPRS 42585, 42663, 42736.

GOVERNMENT PUBLICATIONS

JPRS reports—Continued

- 16732-41 Translations on Mongolia, nos. 145-147; JPRS 42590, 42737, 42833.
 16732-42 Translations on Near East, nos. 187-199; JPRS 42497, 42575, 42592, 42621, 42643, 42662, 42670, 42721, 42744, 42765, 42786, 42797, 42835.
 16732-43 Translations on North Korea, nos. 56-58; JPRS 42548, 42571, 42629.
 16732-44 Translations on North Vietnam, nos. 241-256; JPRS 42485, 42526, 42533, 42547, 42572, 42595, 42600, 42612, 42630, 42642, 42676, 42696, 42726, 42750, 42752, 42791.
 16732-45 Translations on south and east Asia, nos. 166-169; JPRS 42578, 42707, 42729, 42834.
 16732-46 Translations on Soviet education, nos. 71-72; JPRS 42655, 42820.
 16732-47 Translations on Soviet public health, USSR, no. 8, 1967; JPRS 42819.
 16732-48 Translations on USSR agriculture, nos. 220-221; JPRS 42647, 42799.
 16732-49 Translations on USSR communications, nos. 88-89; JPRS 42757, 42815.
 16732-50 Translations on USSR consumer goods and domestic trade, nos. 195-198; JPRS 42517, 42633, 42703, 42762.
 16732-51 Translations on USSR fishing industry and marine resources, no. 7; JPRS 42556.
 16732-52 Translations on USSR labor, nos. 202-206; JPRS 42544, 42551, 42646, 42798, 42806.
 16732-53 Translations on USSR transportation, nos. 195-197; JPRS 42552, 42648, 42788.
 16732-54 USSR economy and industry: General information, nos. 156-170; JPRS 42487, 42527, 42602, 42604, 42605, 42613, 42623, 42632, 42656, 42665, 42679, 42732, 42793, 42813, 42814.
 16732-55 USSR industrial development: Automotive and tractor industry, nos. 58-61; JPRS 42518, 42649, 42779, 42816.
 16732-56 USSR industrial development: Chemical industry and machinery, nos. 59-60; JPRS 42650, 42763.
 16732-57 USSR industrial development: Construction, construction machinery, and building materials, nos. 103-108; JPRS 42519, 42528, 42568, 42644, 42651, 42764.
 16732-58 USSR industrial development: Electric power, fuels and related equipment, nos. 67-72; JPRS 42520, 42553, 42603, 42624, 42652, 42733.
 16732-59 USSR industrial development: Electronics and precision equipment, nos. 30-31; JPRS 42653, 42817.
 16732-60 USSR industrial development: Metallurgy and minerals, nos. 65-70; JPRS 42529, 42606, 42654, 42758, 42773, 42818.
 16732-61 USSR industrial development: Metal-working equipment, no. 218; JPRS 42657.
 16732-62 USSR international economic relations, nos. 102-104; JPRS 42530, 42738, 42800.
 16732-63 USSR scientific abstracts: Bio-medical science, nos. 46-48; JPRS 42609, 42658, 42683.
 16732-64 USSR scientific abstracts: Chemistry, no. 45; JPRS 42581.
 16732-65 USSR scientific abstracts: Cybernetics, computers, and automation technology, nos. 46-47; JPRS 42582, 42722.
 16732-66 USSR scientific abstracts: Electronics and electrical engineering, nos. 81-82; JPRS 42506, 42771.
 16732-67 USSR scientific abstracts: Engineering and equipment, nos. 49-54; JPRS 42507, 42583, 42610, 42713, 42767, 42783.
 16732-68 USSR scientific abstracts: Materials science and metallurgy, no. 40; JPRS 42714.
 16732-69 USSR scientific abstracts: Physics and mathematics, nos. 119-122; JPRS 42488, 42554, 42579, 42588.
 16732-70 Vestnik of the USSR Academy of Medical Sciences, nos. 7-8, 1967; JPRS 42505, 42634.
 16732-71 Vestnik of USSR Academy of Sciences, v. 37, nos. 4, 6; JPRS 42514, 42671.

JPRS (series).

Y 3.J 66: 13/(nos.)

- 16733 42276. Selective inhibition of nonspecific cholinesterase by some 0,0-diethyl-S-alkylthiophosphates, USSR [with bibliography]; by N. N. Golovnikov et al, errata; Oct. 18, 1967. Aug. 21, 1967. [2] p. +5 leaves. 4° [From Doklady Akademii Nauk SSSR, v. 174, no. 3, 1967. Supersedes previous version, which should be destroyed.] Φ Paper, \$3.00 (TT: 67-32903).
 16734 42536. Economic computations according to model of expanded reproduction, USSR; by V. Dadayan. Sept. 11, 1967. [2] + a-e + 157 p. ll. 4° Φ Paper, \$3.00 (TT: 67-33164).
 16735 42537. Applied mathematics, computers, and information models, USSR [articles]; by N. Molseyev et al. Sept. 11, 1967. [2] + a + 31 p. ll. 4° [From Nauka i zhizn', no. 7, July 1967.] Φ Paper, \$3.00 (TT: 67-33165).
 16736 42538. Chinese cultural revolution as seen by Alberto Moravia, Communist China. Sept. 11, 1967. [2] + 20 p. 4° [From Corriere della sera, July 2-9, 1967.] Φ Paper, \$3.00 (TT: 67-33166).
 16737 42539. Temperature dependence of dielectric constant of micamuscovite at frequencies of 50 cycles/sec to 1 MC/sec, USSR [with list of references cited]; by A. V. Mal'tsev, et al. Sept. 11, 1967. [2] + 8 p. ll. 4° [From Uchenyye zapiski Leningradskogo Pedagogicheskogo Instituta, v. 207, 1961.] Φ Paper, \$3.00 (TT: 67-33167).
 16738 42540. Test airfield of Soviet air forces, USSR; by G. Kudryatseva. Sept. 11, 1967. [2] + 11 p. 4° [From Pravda Ukrainy, Jan. 19-22, 1967.] Φ Paper, \$3.00 (TT: 67-33168).
 16739 42541. Current status of catalysis research in Hungary; by Zoltan Szabo. Sept. 11, 1967. [2] + 6 p. 4° [From Magyar Kemikusok Lapja, v. 22, no. 7, July 1967.] Φ Paper, \$3.00 (TT: 67-33169).
 16740 42542. Three-dimensional calculation of fuel burn-up in water-cooled, water-moderated power reactors [with bibliography]; by A. N. Novikov, et al. Sept. 11, 1967. [2] + 19 p. ll. 4° [From Panel on fuel burn-up pre-

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- ditions in thermal reactors, Vienna, Apr. 10-14, 1967.] Φ Paper, \$3.00 (TT: 67-33170).
- 16741 42543. Study of organism reactivity to disease development, USSR [excerpts, with bibliography]. Sept. 11, 1967. [2]+a+59 p. il. 4 $^{\circ}$ [From Obshcheye ucheniye o bolezni. Rezistentnost' i reaktivnost' organizma, Tom 1, Mnogotomnoye rukovodstvo po patologicheskoy fiziologii.] Φ Paper, \$3.00 (TT: 67-33171).
- 16742 42560. Synthesis of automatic frequency control systems responding to Doppler frequency shift, USSR [with bibliography]; by V. N. Kuleshov, et al. Sept. 12, 1967. [2]+16 p. il. 4 $^{\circ}$ [From Radiotekhnika, v. 22, no. 5, May 1967.] Φ Paper, \$3.00 (TT: 67-33188).
- 16743 42561. Thermal decomposition of uranium oxides in vacuum, USSR [with bibliography]; by I. I. Kozhina, et al. Sept. 12, 1967. [2]+13 p. il. 4 $^{\circ}$ [From Vestnik Leningradskogo universiteta, no. 10, May 1967.] Φ Paper, \$3.00 (TT: 67-33189).
- 16744 42562. Interaction of solids colliding at high speeds, USSR [with bibliography]; by V. S. Lenskiy. Sept. 12, 1967. [2]+49 p. il. 4 $^{\circ}$ [From Materialy Vsesoyuznogo Simpoziuma po rasprostraneniyu nprugo-plasticheskikh voln v sploshnykh sredakh, 1966.] Φ Paper, \$3.00 (TT: 67-33190).
- 16745 42563. Problems in financing scientific research work, USSR; by M. Bashin. Sept. 12, 1967. [2]+8 p. 4 $^{\circ}$ [From Ekonomicheskaya gazeta, no. 30, July 1967.] Φ Paper, \$3.00 (TT: 67-33191).
- 16746 42564. VUZ students urged to use economic approach toward scientific research, USSR; by N. Bogoroditskiy. Sept. 12, 1967. [2] p.+4 leaves, 4 $^{\circ}$ [From Izvestiya, June 14, 1967.] Φ Paper, \$3.00 (TT: 67-33192).
- 16747 42565. Disposal of radioactive waste, USSR [papers, with bibliographies]. Sept. 12, 1967. [2]+a-b+109 p. il. 4 $^{\circ}$ [Presented at Simpozium po udaleniyu radioaktivnykh otkhodov v zemlyu (mezhdunarodnoye agentstvo po atomnoy energii, yevropeyskoye agentstvo po yadernoy energii), Vienna, May 29-June 2, 1961.] Φ Paper, \$3.00 (TT: 67-33193).
- 16748 42566. Cold plasma, plasmatron principles and uses, USSR; by I. Lunacharskaya, et al. Sept. 12, 1967. [2]+14 p. il. 4 $^{\circ}$ [From Nauka i zhizn', no. 7, 1967.] Φ Paper, \$3.00 (TT: 67-33194).
- 16749 42567. Solar winds and interplanetary magnetic fields, USSR; by E. R. Mustel'. Sept. 12, 1967. [2]+20 p. il. 4 $^{\circ}$ [From Priroda, no. 7, 1967.] Φ Paper, \$3.00 (TT: 67-33195).
- 16750 42586. World status of plant-protecting agent industry and research with special reference to Hungarian conditions; by Bela Raskai. Sept. 13, 1967. [2]+12 p. 4 $^{\circ}$ [From Magyar kemikusok lapja, no. 10-11, 1964.] Φ Paper, \$3.00 (TT: 67-33214).
- 16751 42587. New developments in solid-state physics, Hungary. Sept. 13, 1967. [2] p.+3 leaves, 4 $^{\circ}$ [From Muzsaki elet, v. 22, no. 15, July 27, 1967.] Φ Paper, \$3.00 (TT: 67-33215).
- 16752 42597. Studies in training of industrial workers and in scientific organization of work, USSR [articles]. Sept. 14, 1967. [2]+a+31 p. 4 $^{\circ}$ [From Sotsialisticheskiy trud, no. 6, July 1967.] Φ Paper, \$3.00 (TT: 67-33225).
- 16753 42607. Report on Soviet symposium on Man-machine problem, USSR; by V. F. Rubakhin. Sept. 14, 1967. [2]+6 p. 4 $^{\circ}$ [From Voprosy psikhologii, no. 3, May-June 1967.] Φ Paper, \$3.00 (TT: 67-33235).
- 16754 42625. Meteorology and hydrology, no. 7, July 1967, USSR [articles with bibliographies]. Sept. 18, 1967. [2]+a-c+177 p. il. 4 $^{\circ}$ Φ Paper, \$3.00 (TT: 67-33253).
- 16755 42628. Properties of some ceramic and insulating materials, USSR [articles, with bibliographies]. Sept. 18, 1967. [2]+a+42 p. il. 4 $^{\circ}$ Φ Paper, \$3.00 (TT: 67-33256).
- 16756 42631. Military schools adopt programmed teaching methods, USSR; by P. A. Rotmistrov. Sept. 18, 1967. [2]+6 p. 4 $^{\circ}$ [From Vestnik vysshey shkoly, no. 6, 1967.] Φ Paper, \$3.00 (TT: 67-33259).
- 16757 42636. Meteorology and hydrology, no. 6, July 1967, USSR [articles with bibliographies]. Sept. 18, 1967. [2]+a-b+106 p. il. 4 $^{\circ}$ Φ Paper, \$3.00 (TT: 67-33264).
- 16758 42645. Status and perspectives of Bulgarian physics; by A. Aleksandrov. Sept. 18, 1967. [2] p.+4 leaves, 4 $^{\circ}$ [From Zemledelsko zname, Aug. 19, 1967.] Φ Paper, \$3.00 (TT: 67-33273).
- 16759 42675. Scientific management and democracy; by V. A. Shubin. Sept. 19, 1967. [2]+10 p. 4 $^{\circ}$ [From Vestnik Leningradskogo Universiteta, Ekonomika, filosofiya, pravo, no. 1, 1967.] Φ Paper, \$3.00 (TT: 67-33302).
- 16760 42688. Notes on aquatics, USSR [articles]. Sept. 20, 1967. [2]+a+27 p. il. 4 $^{\circ}$ [From Biblioteka sportmena-podvodnika, no. 16, 1967.] Φ Paper, \$3.00 (TT: 67-33315).
- 16761 42689. Gnotobiology in Czechoslovakia; by Leosh Mandel', et al. Sept. 20, 1967. [2] p.+4 leaves, 4 $^{\circ}$ [From Priroda, no. 7, 1967.] Φ Paper, \$3.00 (TT: 67-33316).
- 16762 42690. Prospects for automatic guidance of automobiles, USSR; by A. Rakin. Sept. 20, 1967. [2]+6 p. il. 4 $^{\circ}$ [From Nauchno-tekhnicheskoye obshchestvo, no. 4, 1967.] Φ Paper, \$3.00 (TT: 67-33317).
- 16763 42691. Creative quest in science, USSR. Sept. 20, 1967. [2] p.+3 leaves, 4 $^{\circ}$ [From Pravda, Aug. 16, 1967.] Φ Paper, \$3.00 (TT: 67-33318).
- 16764 42692. Recruitment of potential scientists, USSR; by V. Ambartsumyan. Sept. 20, 1967. [2] p.+4 leaves, 4 $^{\circ}$ [From Pravda, Aug. 17, 1967.] Φ Paper, \$3.00 (TT: 67-33319).

JPRS (series)—Continued

- 16765 42699. Observation of distant man-made space objects, USSR; by P. P. Dobronravlin. Sept. 21, 1967. [2] p.+5 leaves, il. 4° [From Proceedings of International Astronautical Congress, 15th 1964, v. 11, Satellite systems, 1965.] Φ Paper, \$3.00 (TT: 67-33326).
- 16766 42700. Physiological basis of methods of increasing labor productivity, USSR [excerpts; by S. A. Koslov]. Sept. 21, 1967. [2]+a+50 p. il. 4° [Includes Introduction and table of contents.] Φ Paper, \$3.00 (TT: 67-33327).
- 16767 42701. Contributions of scientists in hygiene, physiology, and scientific organization of labor, USSR; by A. Shchitskova, et al. Sept. 21, 1967. [2] p.+4 leaves 4° [From Meditsinskaya gazeta, Aug. 4, 1967.] Φ Paper, \$3.00 (TT: 67-33328).
- 16768 42709. Possibilities and prospects of use of hypothermia in exploration of space, USSR [with bibliography]; by P. V. Byeloshyts'kyy, et al. Sept. 21, 1967. [2]+10 p. il. 4° [From Fiziologicheskyy zhurnal, v. 13, no. 4, 1967.] Φ Paper, \$3.00 (TT: 67-33326).
- 16769 42710. Seismicity of Yakutiya, USSR [with bibliography]; by V. M. Kochetkov. Sept. 21, 1967. [2]+a-b+95 p. il. 4° [Moscow, Nauka Publishing House, 1966.] Φ Paper, \$3.00 (TT: 67-33327).
- 16770 42711. Atoms for sale, visit to USSR isotope center; by K. Kostin. Sept. 21, 1967. [2] p.+5 leaves 4° [From Ogonek, no. 27, July 1967.] Φ Paper, \$3.00 (TT: 67-33338).
- 16771 42712. Soviet motion picture, July rain, reviewed, USSR. Sept. 21, 1967. [2] p.+5 leaves 4° [From Sovetskaya kultura, no. 102, Aug. 29, 1967.] Φ Paper, \$3.00 (TT: 67-33339).
- 16772 42727. Conditions of maximum sensitivity of magnetometer based on optical orientation of atoms, USSR [with bibliography]; by G. P. Nedovodiyev, et al. Sept. 22, 1967. [2] p.+3 leaves il. 4° [From Geofizicheskaya apparatura, no. 26, 1965.] Φ Paper, \$3.00 (TT: 67-33354).
- 16773 42728. Soviet research and personnel training in bionics, USSR; by N. P. Naumov, et al. Sept. 22, 1967. [2]+7 p. 4° [From Vestnik vysshey shkoly, no. 7, 1967.] Φ Paper, \$3.00 (TT: 67-33355).
- 16774 42754. Recent developments in research on psychopharmacologic and psychotomimetic drugs in Czechoslovakia [articles]. Sept. 26, 1967. [2]+a+15 p. il. 4° [From Activitas nervosa superior, v. 6, no. 2, 1964.] Φ Paper, \$3.00 (TT: 67-33381).
- 16775 42755. Early training in reading essential, USSR; by D. Leshchinskiy. Sept. 26, 1967. [2] p.+3 leaves, 4° [From Pravda, Aug. 9, 1967.] Φ Paper, \$3.00 (TT: 67-33382).
- 16776 42756. Scientific organization of labor in higher education, USSR [articles]. Sept. 26, 1967. [2]+32 p. 4° [From Vestnik vysshey shkoly, no. 7, 1967.] Φ Paper, \$3.00 (TT: 67-33383).
- 16777 42772. Deserts of central Asia, Hohsi Corridor, Tsaidam and Tarim Basin [with bibliography]; by M. P. Petrov. Sept. 26, 1967. [2]+a-c+420 p. il. 4° [Science Publishing House, Leningrad, 1967.] Φ Paper, \$3.00 (TT: 67-33399).
- 16778 42776. Reports on medical and biological research from Priroda, USSR. Sept. 27, 1967. [2]+a+55 p. il. 4° [From issue no. 6, 1967.] Φ Paper, \$3.00 (TT: 67-33403).
- 16779 44777. Subjects for research on philosophical problems of natural science, USSR [lists]. Sept. 27, 1967. [2]+29 p. 4° [From Filosofskie nauki, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-33404).
- 16780 42778. Great leap backward, Soviet view of China's economic problems; by A. Khan'kovskiy. Sept. 27, 1967. [2]+6 p. 4° [From Literaturnaya gazeta, no. 36, Sept. 6, 1967.] Φ Paper, \$3.00 (TT: 67-33405).
- 16781 42780. Pride, a tale of mountain life in Ukraine, USSR; by Yaroslav Stupak. Sept. 27, 1967. [4]+12 p. 4° [From Vitychyna, no. 12, Dec. 1966. Errata, replaces JPRS 42162 which should be destroyed.] Φ Paper, \$3.00 (TT: 67-33407).
- 16782 42871. Improving calibre of engineering personnel, USSR; by G. Khimich, et al. Sept. 27, 1967. [2] p.+5 leaves, 4° [From Izvestiya, July 20, 1967. Originally entitled: They stand side by side.] Φ Paper, \$3.00 (TT: 67-33408).
- 16783 42782. Experimental research in psychology, USSR [articles, with bibliographies]. Sept. 27, 1967. [2]+a+64 p. il. 4° [From Voprosy psikhologii, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-33409).
- 16784 42802. Mathematical problems of cybernetics and computer engineering, USSR [articles, with bibliography]. Sept. 28, 1967. [2]+a+43 p. 4° [From Trendy vychislitel'nogo Tsentra Akademii Nauk Armyskoy SSR i Yerevanskogo Gosudarstvennogo Universiteta, III, Matematicheskiye voprosy kibernetiki i vychislitel'noy tekhniki, modelirovaniye protsessov upravleniya.] Φ Paper, \$3.00 (TT: 67-33429).
- 16785 42803. Newly elected members of Department of Biological Sciences of Tadzhik Academy of Sciences, USSR. Sept. 28, 1967. [2] p.+3 leaves, 4° [From Izvestiya Akademii Nauk Tadzhikskoy SSR, no. 1, 1967.] Φ Paper, \$3.00 (TT: 67-33430).
- 16786 42804. Cost accounting in scientific research institute, USSR. Sept. 28, 1967. [2] p.+5 leaves, 4° [From Ekonomicheskaya gazeta, no. 35, Aug. 1967.] Φ Paper, \$3.00 (TT: 67-33431).
- 16787 42805. Sociological problems of development of science and technology (review of new literature); by V. I. Belozertsev et al. Sept. 28, 1967. [2]+13 p. 4° [From Filosofskie nauki, no. 4, 1967.] Φ Paper, \$3.00 (TT: 67-33432).

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

JUSTICE DEPARTMENT
Washington, D.C. 20530

- 16788 1st National Conference on Crime Control, proceedings, Mar. 28-29, 1967 [Washington, D.C.] [1967.] viii+161 p. il. [Includes list of publications of President's Commission on Law Enforcement and Administration of Justice.] * Paper, 60c. ● Item 717
L.C. card 67-62731 J 1.2: C 86/8/967
- Opinion of Attorney General [Volume 42, Opinion].
- 16789 27. Johnson act, export sales to countries in default in payment of their obligations to United States; May 9, 1967. [1967.] 6 p. * Paper, 5c.
J 1.5/a: 42/27
- 16790 Report of Attorney General to Congress of United States on administration of Foreign agents registration act of 1938, as amended, for calendar year 1966. [1967.] cover title, [1]+225 p. 4° * Paper, \$1.25. ● Item 719-C
L.C. card 45-36591 J 1.30: 966

LABOR DEPARTMENT
Washington, D.C. 20210

- Department of Labor program reports. † L 1.57: (nos.)
- 16791 1. Operation Late Start, how on-the-job training gives new hope to older workers. [1967.] [13] p. il. 4°
- 16792 3. Training and technology in Tennessee, new skills for underemployed. [1]+8 p. il. 4°
- Manpower/automation research monograph.
- 16793 6. Negroes in apprenticeship: [prepared in Office of Manpower Policy Evaluation, and Research], Aug. 1967. v+38 p. 4° (Manpower Administration.) †
● Item 746-H
L.C. card 67-62559 L 1.39/3: 6
- 16794 Manpower projections, appraisal and plan of action, report of working group on manpower projections in President's Committee on Manpower. Aug. 1967. [1]+58 p. 4° (Manpower Administration; [Office of Manpower Policy, Evaluation, and Research].) † ● Item 745
L.C. card 67-62743 L 1.2: M 31/41
- 16795 Manpower research institutional grant program, progress report for July 1, 1966-June 30, 1967; [prepared by Jane R. Chapman], Aug. 1967. [3]+17 p. 4° ([Office of Manpower Policy, Evaluation, and Research, Manpower Administration.]) † ● Item 745 L 1.2: M 31/43/966-67
- 16796 Remarks by Ester Peterson, Assistant Secretary of Labor, before Bank Public Relations and Marketing Association, Denver, Colo., Oct. 10, 1967. [1967.] 13 leaves, 4° † L 1.13: P 44/9

LABOR STANDARDS BUREAU, Labor Dept.
Washington, D.C. 20210

Bulletin.

- 16797 301. Safety in industry, instructor outline, Department of Labor safety training programs: Consultative approach for safety promotion; [developed by staff of office of Occupational Safety and International Division], [1967.] cover title, ix+19 p. il. 4° [Text on p. 2 of cover.] * Paper, 25c.
● Item 763 L 16.3: 301
- Occupational safety aids, Department of Labor safety training programs
OSA LS-(series). ● Item 765-G L 16.49: (nos.)
- 16798 162. Accident causes. [1967.] [8] p. il. 4° (OOS 7.67.) * Paper, 10c.
- 16799 163. Conducting job hazard analysis. [1967.] [8] p. il. 4° (7.67.) * Paper, 10c.
- 16800 164. Elements of safety program. [1967.] [12] p. il. 4° (7.67.) * Paper, 15c.
- 16801 166. Good housekeeping for successful safety program. [1967.] [8] p. il. 4° (7.67.) * Paper, 10c.
- 16802 169. How to investigate accidents. [1967.] [8] p. il. 4° (OOS 7.67.) * Paper, 10c.
- 16803 170. Inspecting for safety. [1967.] [8] p. il. 4° (OOS 7.67.) * Paper, 10c.
- 16804 172. Promoting worker interest. [1967.] [8] p. il. 4° (7.67.) * Paper, 10c.
- 16805 174. Recording employee injuries. [1967.] 8 p. il. 4° (OOS 7.67.) * Paper, 10c.
- 16806 177. Safety committee activities. [1967.] [8] p. il. 4° (OOS 7.67.) * Paper, 10c.
- 16807 180. Safety training techniques in the classroom. [1967.] [8] p. il. 4° (OOS 7.67.) * Paper, 10c.

☛For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
● Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Occupational safety aids—Continued

- 16808 181. Supervisory responsibility for safety. [1967.] [8] p. il. 4° (OOS 7.67.)
* Paper, 10c.
16809 182. Development of safety movement; industrial revolution, early legislation,
safety leadership. [1967.] [8] p. il. 4° (7.67.) * Paper, 10c.

Off the job safety, Department of Labor safety programs OJS LS—(series).

- 16810 432 Fire prevention. [1967.] 1 p. il. 4° (OOS-11.66.) † L 16.51/9:432
16811 Summary of State laws prohibiting or regulating business of debt pooling.
July 1967. cover title, 13 p. 4° † L 16.2: D 35

LABOR STATISTICS BUREAU, Labor Dept. Washington, D.C. 20210

BLS reports. • Item 768-G L 2.71:(nos.)

- 16812 315. Labor law and practice in Israel [with selected bibliography; prepared by
Morris Pollak and reviewed by Harriet Micocci]. [1967.] cover title,
vi+120 p. il. 4° * Paper, 60c.
L.C. card 67-62738
16813 317. Work injuries and accident causes in concrete brick and block industry;
[prepared by T. H. Rockwell and Donald Nemenche]. Apr. 1967. vi+85 p.
il. 4° †
L.C. card 67-62563

Bulletins. • Item 768 L 2.3:(nos.)

- 16814 1465-86. Wages and related bulletin: pt. 1. 84 metropolitan areas, 1965-66, [re-
vised pages]. June 1967. [1]+66-74 p. oblong 8° †
16815 1530-80. Area wage survey: Spokane, Wash., metropolitan area, June 1967. Sept.
1967. iii+30+[1] p. oblong 8° * Paper, 25c.
L.C. card L 66-162
16816 1530-82. Same: Norfolk-Portsmouth and Newport News-Hampton, Va., metro-
politan area, June 1967. Aug. 1967. iii+30+[1] p. oblong 8° * Paper, 25c.
L.C. card L 66-160
16817 1530-83. Same: New York, N.Y., metropolitan area, Apr. 1967. Aug. 1967. iv+66
+[1] p. oblong 8° * Paper, 40c.
L.C. card L 66-159
16818 1530-84. Same: San Antonio, Tex., metropolitan area, June 1967. Aug. 1967.
iii+32 p. oblong 8° * Paper, 25c.
L.C. card L 66-152
16819 1530-85. Same: Houston, Tex., metropolitan area, June 1967. Aug. 1967. iii+24
p. oblong 8° * Paper, 25c.
L.C. card 66-62759
16820 1558. Wage chronology: Bituminous coal mines, 1933-68. July 1967. iii+[1]
+20+[1] p. 4° * Paper, 25c.
L.C. card L 66-2
16821 1559. Same: Aluminum Company of America, 1939-67. July 1967. v+42 p.
4° * Paper, 30c.
L.C. card L 62-92
16822 1560. Same: American Viscose, 1945-67. July 1967. iv+18+[1] p. 4° * Paper,
20c.
L.C. card L 64-118

- 16823 Department store inventory price indexes, July 1967. Aug. 31, 1967. 2 p.
4° † L 2.79:967-2

- 16824 Major collective bargaining agreement expirations, 1967; [prepared by
Cordelia T. Ward]. [1967.] cover title, iii+51 p. 4° † L 22: C 68/4/967

- 16825 Measurement of employment, hours, and earnings in nonagricultural indus-
tries. Revised July 1966. [1967.] [2]+10+[1] p. 4° †
L 2.2: Em7/35/966

- 16826 Measurement of labor turnover. Revised June 1966. [1967.] [1]+5 p. il.
4° † L 2.2: L11/10/966

Monthly labor review, reprint.

- 16827 2533. Wages in Japan and United States. 2 articles discussing similarities and
contracts in these countries' wage systems: [by] Janet L. Norwood. 1967.
25-28, 30-34 p. il. 4° [From Apr. and May 1967 issues. Second article
is entitled: Composition of wages and supplements, U.S.-Japan com-
parisons.] † L 2.6/a: 2533

NE regional reports.

- 16828 67-1. New England labor and economy at year-end. [Dec. 25, 1966.] cover title,
18 p. 4° † L 2.71/3: 67-1

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16829 Negro's occupational progress; [by Joe L. Russell]. [1967.] [1]+8-13 p. il. 4° [Reprinted from Occupational outlook quarterly, v. 10, no. 4, Dec. 1966.] * Paper, 10c. L 2.70/4a : N 312
- 16830 Occupational earnings and wage trends in metropolitan areas, 1966-67, summary release no. 2 of 3 (28 areas), June 1967. 10+[2] p. 4° † L 2.86: 966-67/no.2
- 16831 Some facts relating to impact of changing economy on Negro and Puerto Rican worker, [charts and tables for presentation at conference on urban environment, problems and prospects, New York Personnel and Guidance Association, New York, N.Y., Dec. 2, 1966. [1967.] [1]+15 p. il. 4° † L 2.2: N31/4
- 16832 Statement of price indexes for 1967 model automobiles. Nov. 23, 1966. 3 leaves, 4° † L 2.2: Au8/4

LAKE SURVEY (Army), Defense Dept. 630 Federal Bldg., Detroit, Mich. 48226

Research report RR (series).

- 16833 5-3. Total atmospheric water vapor aloft over Great Lakes basin [with list of references]; by S. J. Bolsenga. Apr. 1967. iii+7+[2] p. il. 3 pl. 4° † D 103.209: 5-3
- 16834 Supplement 4, Aug. 1967, corrections and additions to 1967 Great Lakes pilot. [1967.] [2] p.+16 leaves. [Bearings are true and distances are expressed in statute miles. Supplements information given upon charts published by Lake Survey.] † U.S. Army Engineer District, Lake Survey, Corps of Engineers, 630 Federal Building, Detroit, Mich. 48226. L.C. card 6-7112 D 103.203: 967/supp.4
- 16835 Supplement 5, Sept. 1967, corrections and additions to 1967 Great Lakes pilot. [1967.] [2] p.+12 leaves. [Bearings are true and distances are expressed in statute miles. Supplements information given upon charts published by Lake Survey.] † U.S. Army Engineer District, Lake Survey, Corps of Engineers, 630 Federal Building, Detroit, Mich. 48226. L.C. card 6-7112 D 103.203: 967/supp.5
- 16836 Supplement 6, Oct. 1967, corrections and additions to 1967 Great Lakes pilot. [1967.] [2] p.+10 leaves. [Bearings are true and distances are expressed in statute miles. Supplements information given upon charts published by Lake Survey.] † U.S. Army Engineer District, Lake Survey, Corps of Engineers, 630 Federal Building, Detroit, Mich. 48226. L.C. card 6-7112 D 103.203: 967/supp.6

LIBRARY OF CONGRESS Washington, D.C. 20540

- 16837 Land ownership maps, checklist of 19th century United States county maps in Library of Congress; compiled by Richard W. Stephenson. 1967. xxv+86 p. il. 4° * Paper, 70c. ● Item S11-A LC 5.2: L 22
- 16838 National union catalog, cumulative author list representing Library of Congress printed cards and titles reported by other American libraries: Register of additional locations, 1966; [compiled and edited by Catalog Maintenance and Catalog Publications Division]. 1967. xv+1005 p. 4° (Library of Congress catalogs.) [Supplement to National union catalog.] † (Included in subscription to National union catalog. See Entry no. 3601, Feb. 1967 Monthly catalog.) L.C. card 56-60041 LC 30.8/7: 966 2

MARINE CORPS (Navy), Defense Dept. Washington, D.C. 20350

Fleet Marine Force manual FMFM (series). ● Item 384

D 214.9/4: (nos.)

- 16839 3-2. [Amphibious training], Change 1 [May 26, 1967, with list of references]. [1967.] [100] p. il. 4° [Includes list of effective pages. Issued in loose-leaf form.] * Paper, 55c.

♣For Sale by Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 65

GOVERNMENT PUBLICATIONS

Fleet Marine Force manual FMFM (series) Continued

- 16840 9-1. [Tank employment, Apr. 15, 1965]. Change 1. July 5, 1967. [94] p. il. 4" [includes list of effective pages. Issued in looseleaf form.] * Paper, 50c.
16841 9-3. Antimechanized operations, Change 1. July 5, 1967. [90] p. il. 4" [Issued with perforations.] * Paper, 75c.
16842 Occupational opportunities, United States Marine Corps. [1967.] 40 p. oblong 32" ([NAVMC 6892 (Rev. 4-67).]) † ● Item 383
D 211.2: Oc 1

MARITIME ADMINISTRATION, Commerce Dept. Washington, D.C. 20548

- 16843 Maritime museums in the United States. [1967.] 52 p. oblong 12" * Paper, 50c. ● Item 235
L.C. card 67-62675 C 39.202: M 97
16844 Merchant fleets of world seagoing steam and motor ships of 1,000 gross tons and over, as of Dec. 31, 1966; [prepared by Office of Maritime Promotion]. [June 16, 1967.] 20 p. 4" ([Report MAR-560-20.]) * Paper, 15c. ● Item 236-B
C 39.212: 966

MEDICINE AND SURGERY BUREAU (Navy), Defense Dept. Washington, D.C. 20350

U.S. Naval Submarine Medical Center, Submarine Base, Groton, Conn.: Report.

- 16845 466. Performance of Farnsworth Lantern at Submarine Medical Research Laboratory and in field 1955-65 [with list of references]; by Helen M. Paulson. [Jan. 19, 1966]. iii+24+2 p. il. 4" (Research work unit MF022.03.03-9017.01.) †
D 206.10:466
— Special report.
16846 67-4. Summaries of research reported on during 1966; [prepared by Jessie W. Kohl]. Feb. 15, 1967. cover title, viii+31+[2] p. 4" †
D 206.10/3:67-4

MINERALS EXPLORATION OFFICE, Interior Dept. Washington, D.C. 20240

- 16847 2d annual report, period ending June 30, 1967, prepared for transmittal to the Congress pursuant to sec. 5 of Public law 701, 85th Congress, as modified by sec. 2 (5) of Public law 348, 89th Congress. [1967.] [1]+9 p. 4" †
L.C. card 67 61220 I 55.1: 967

MINES BUREAU, Interior Dept. Washington, D.C. 20240

Bulletins. ● Item 636

I 28.3:(nos.)

- 16848 640. Advances in coal spectrometry, absorption spectrometry [with list of references]; by R. A. Friedel, H. L. Retcofsky, and J. A. Queiser. [1967.] iv+48 p. il. 4" * Paper, 35c.
L.C. card 67-62712
16849 641. Optical properties of coals and graphite [with list of references]; by J. T. McCartney and S. Ergun. [1967.] iv+49 p. il. 4" * Paper, 35c.
L.C. card 67-62562
16850 643. Yields and analyses of tars and light oils from carbonization of U.S. coals [with list of references]; by H. G. Walters, C. Ortuglio, and J. Glaesner. [1967.] iii+91 p. 4" * Paper, 50c.
L.C. card 67-62717
16851 Disabling work-injury experience of oil industry (all activities) and natural gas industry (excluding distribution activities) in United States, 1966; prepared by Neil B. Bradley, Bertha W. Brown, and Nina L. Jones. July 1967. [1]+15 p. 4" (Mineral industry surveys; Oil and gas injuries, annual.) † Mines Bureau, Pittsburgh, Pa. 15213 I 28.108: 966
16852 Federal coal mine safety act, as amended, 30 U.S.C. 451; title 1, Advisory powers relating to health and safety conditions in mines; title 2, Prevention of major disasters in mines. Jan. 1967. v+63 p. 24" † ● Item 637-E I 28.114: C 63

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Information circulars. • Item 637-A I 28.27: (nos.)

- 16853 8339. Fluorspar in Eastern States; by Ronald P. Hollenbeck. 1967. [2]+ii+35 p. il. 4° * Paper, 30c.
- 16854 8340. Selenium and tellurium, materials survey [with lists of references], by Arnold M. Lamsche; with chapter on resources by David F. Davidson. [1967.] viii+56 p. il. 4° * Paper, 60c.
- 16855 8344. Iron and steel scrap in intermountain and northwestern Plains States [with bibliography]; by Harold J. Bennett. 1967. [2]+iii+71 p. 4° * Paper, 45c.
- 16856 8347. Analysis of 44 recent fatal accidents with front-end loaders; by R. O. Pynnönen and Allen D. Look. [Sept. 1967.] [3]+10 p. 4° † Mines Bureau, Pittsburgh, Pa. 15213
L.C. card 67-62692
- 16857 Mineral industry of Brazil; by G. A. Rynearson and F. William Wessel. [1967.] [2]+13 p. [Preprint from Minerals yearbook, 1965.] * Paper, 10c. I 28.37/a2: B 739 1965
- 16858 Mineral industry of France; by L. Nahai. [1967.] [2]+53 p. il. [Reprint from Minerals yearbook, 1965.] * Paper, 20c. I 28.37/a2: F 814 1965
- 16859 Mineral industry of Yugoslavia; by Roman V. Sondermayer. [1967.] [2]+10 p. [Preprint from Minerals yearbook, 1965.] * Paper, 10c. I 28.37/a2: Y 9 1965

Petroleum products survey (series). (Mineral industry surveys.)

- 16860 51. Burner fuel oils, 1967; prepared by O. C. Blade. Aug. 1967. cover title. [1]+30 p.+[4] leaves. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213 • Item 642-A I 28.18/3: 51

Report of investigations. • Item 637-A I 28.23: (nos.)

- 16861 7016. Electrodeposition of thick coatings of platinum and palladium on refractory metals from aqueous electrolytes [with list of references]; by Stephen D. Cramer [and others]. [Sept. 1, 1967.] [2]+iii+64 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 16862 7017. Electrochemical reduction of coal [with list of references]; by Heinz W. Sternberg [and others]. [Sept. 1967.] [2]+ii+38 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 16863 7020. Method for treating PVT [pressure-volume-temperature] data from Burnett compressibility apparatus [with list of references]; by Robert E. Barieau and E. J. Dalton. [Sept. 1967.] [2]+v+34 p. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 16864 7022. Vapor pressure of metal halides, $\text{SnCl}_2\text{-ZnCl}_2$ binary system [with list of references]; by L. C. George, J. W. Jensen, and Robert M. Doerr. [Sept. 1967.] [3]+22 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 16865 7023. Electrodeposition of iridium from fused sodium cyanide and aqueous electrolytes, preliminary study [with list of references]; by R. L. Andrews, C. B. Kenahan, and David Schlain. [Sept. 1967.] [3]+12 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 16866 7024. Effect of carbonization conditions and coal properties on coke size and strength parameters; by Manuel Gomez, J. G. Walters, and J. B. Gayle. [Sept. 1967.] [3]+34 p. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 16867 7025. Thermoelectric properties of yttrium-groups 5 and yttrium-groups 6 binary and ternary compounds [with list of references]; by Timothy J. Driscoll, jr., and Lindsay D. Norman, jr. [Sept. 1967.] [3]+14 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213

MISSOURI BASIN INTER-AGENCY COMMITTEE

NOTE.—The chairman of the Missouri Basin Inter-Agency Committee for the fiscal year is the Interior Department member, C. L. Conaway, Department of Interior, Box 2530, Billings, Montana 59103.

- 16868 Annual programming report, fiscal years 1967-69. May 1967. cover title, [121] p. 4° †
L.C. card 61-60376 Y 3.M 69: 8/967-69
- 16869 Minutes of 148th meeting, Aberdeen, So. Dak., Mar. 29-30, 1967; [prepared by Charles A. Cocks]. [1967.] cover title, 37+[74] p. 4° †
L.C. card 57-33283 Y 3.M 69: 2M 66/967-2
- 16870 Minutes of 149th meeting, Des Moines, Iowa, June 21-22, 1967; [prepared by Charles A. Cocks]. [1967.] cover title, 19+[67] p. 1° †
L.C. card 57-33283 Y 3.M 69: 2M 66 1967-3

†For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

MOTOR CARRIER SAFETY BUREAU, Transportation Dept. Washington, D.C. 20591

NOTE.—The Motor Carrier Safety Bureau was transferred from the Interstate Commerce Commission to the Federal Highway Administration, Transportation Department by Public law 89-670, approved Oct. 15, 1966.

- 16871 1965-66 accidents of large motor carriers of property. Aug. 1967. 28 p. il. 4°
[Interstate motor carriers with annual operating revenues of \$200,000 or more.] † TD 2310: 965-66
- Motor carrier accident investigation reports. † TD 2309:(nos.)
- 16872 67-2. Julio M. Puente, accident, May 30, 1967 near Dwight, Ill. [1967.] 7 p. il. 4°
- 16873 67-3. C & S Express, Inc., accident, June 13, 1967, Upper Marlboro, Md. [1967.] 11 p. il. 4°
- 16874 67-4. Petroleum Transit Corporation of South Carolina, accident, June 23, 1967, Hardeeville, S.C. [1967.] 9 p. il. 4°
- 16875 67-5. Aero Tracking, Inc. accident, June 18, 1967, Lake, Md. [1967.] 9 p. il. 4°

NATIONAL ACADEMY OF SCIENCES Washington, D.C. 20418

- 16876 National Academy of Sciences, National Research Council, annual report, fiscal year 1963-64. [1967.] vii+276 p. [Also issued as S. doc. 31, 90th Cong., 1st sess.] * Paper, \$1.00. • Item S30
L.C. card 15-10608 NA 1.1: 964

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Washington, D.C. 20546

AEC-NASA tech briefs. [Descriptions of innovations resulting from research and development program of AEC or from AEC-NASA interagency efforts.] • Paper, each 15c. NAS 1.29/2:(nos.)

- 16877 67-10264. Inexpensive cryogenic insulation replaces vacuum jacketed line. July 1967. [2] p. il. 4° ([NUC-10061.])
- 16878 67-10265. Aluminum-titanium hydride-boron carbide composite provides lightweight neutron shield material. Aug. 1967. 1 p. 4° (NUC-10069.)
- 16879 67-10266. Simplified method measures changes in tensile yield strength using least number of specimens. Aug. 1967. [2] p. il. 4° ([NUC-10075.])
- 16880 67-10294. Sensitive bridge circuit measures conductance of low-conductivity electrolyte solutions. Aug. 1967. [2] p. il. 4° ([ARG-147.])
- 16881 67-10304. Cytology is advanced by studying effects of deuterium environment. Aug. 1967. [2] p. 4° (ARG-205.)
- 16882 67-10305. Liquid micurgy chamber and microsyringe designs allow more efficient micromanipulations. Aug. 1967. [2] p. il. 4° ([ARG-251.])
- 16883 67-10311. Transistor biased amplifier minimizes diode discriminator threshold attenuation. Aug. 1967. [2] p. il. 4° ([ARG-163.])
- 16884 67-10312. New electron microscope employs new video display technique. Aug. 1967. [2] p. il. 4° ([ARG-158.])
- 16885 67-10313. Precision capacitor has improved temperature and operational stability. Aug. 1967. [2] p. il. 4° ([ARG-189.])
- 16886 67-10315. Tritiated alumina serves as reagent for self-labeling analysis. Sept. 1967. [2] p. 4° ([ARG-209.])
- 16887 67-10317. Improved head-controlled TV system produces high-quality remote image. Sept. 1967. [2] p. il. 4° ([ARG-128.])
- 16888 Cost plus award fee contracting guide. [1967.] cover title. [2]+iii+116 p. il. 4° (NHB 5104.4.) [Supersedes pt. 7 of NASA incentive contracting guide (formerly NPC 403), Jan. 18, 1965.] * Paper, 65c. • Item S30-F
NAS 1.18: C 82/3
- 16889 NASA BITS, brief ideas, thoughts, suggestions. July 1967 edition. [1967.] cover title, iv+27 p. 4° (NHB 1460.S.) [Semiannual.] † • Item S30-S
NAS 1.36: 967

NASA contractor report CR (series). NAS 1.26:(nos.)

- 16890 758. Study of fluid flight path control system [with list of references]. Aug. 1967. cover title, xii+109+[112] p. il. 4° [Prepared under contract NAS 4-763 by Honeywell Inc., Minneapolis, Minn. Issued by originator as report 20175-FRL.] • Paper, \$3.00.
- 16891 784. Auxiliary power systems for lunar roving vehicle [with lists of references]: by E. P. Erlanson. Aug. 1967. cover title, xiii+283 p. il. 4° [Prepared under contract NAS 3-7627 by General Electric, Spacecraft Department, Philadelphia, Pa. Issued under document 66SD4395.] • Paper, \$3.00.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16892 853. Maximum response of rectangular plates to random excitation [with list of references]; by Richard L. Barnoski. Sept. 1967. cover title, v+41 p. il. 4° [Prepared under contract NAS 8-20020 by Measurement Analysis Corporation, Los Angeles, Calif.] Φ Paper, \$3.00.
- 16893 854. Light sources for remote sensing systems [with list of references]; by M. W. P. Cann. Aug. 1967. cover title, xv+149 p. il. 4° [Prepared under contract NAS 8-20107 by IIT Research Institute, Chicago, Ill.] Φ Paper, \$3.00.
- 16894 855. Isothermal and isophotic atlas of moon contours through lunation [with list of references]; by J. M. Saari and R. W. Shorthill. Sept. 1967. cover title, v+186 p. il. 4° [Prepared under contract NASw-982 by Boeing Scientific Research Laboratories, Seattle, Wash.] Φ Paper, \$3.00.
- 16895 864. Plane-stress analysis of edge-stiffened rectangular plate subjected to boundary loads, boundary displacements, and temperature gradients [with list of references]; by Chuan-jui Lin and Charles Libove. Aug. 1967. cover title, vii+226 p. il. 4° [Prepared under grant NSG-385 by Syracuse University Research Institute, Syracuse, N.Y. Issued by originator as report ME 1065-6704.] Φ Paper, \$3.00.
- 16896 865. Electromagnetic guidance study [with list of references]; by J. H. Lowry. Sept. 1967. cover title, xviii+403 p. il. 4° [Prepared under contract NAS 12-18 by McDonnell Aircraft Corporation, St. Louis, Mo. Issued by originator as Report E666.] Φ Paper, \$3.00.
- 16897 866. Research and development of electron-sensitive solid state matrix [with list of references]. Sept. 1967. cover title, ix+[117] p. il. 4° [Prepared under contract NAS 5-3446 by Westinghouse Defense and Space Center, Baltimore, Md.] Φ Paper, \$3.00.
- 16898 867. Time-optimal response of feedback control systems by means of discontinuous rate compensation [with bibliography]; by Richard J. Levesque. Oct. 1967. cover title, x+101 p. il. 4° [Prepared under grant NSG-338 by University of Maine, Orono, Maine.] Φ Paper, \$3.00.
- 16899 869. Meteoroid damage to filamentary structures [with list of references]; by Richard H. MacNeal. Sept. 1967. cover title, [1]+28 p. il. 4° [Prepared under contract NAS 7-427 by Astro Research Corporation, Santa Barbara, Calif. Issued by originator as Report ARC-R-222.] Φ Paper, \$3.00.
- 16900 870. Lunar Orbiter 1, extended-mission spacecraft subsystem performance. Sept. 1967. cover title, iii+59 p. il. 4° [Prepared under contract NAS 1-3800 by Boeing Company, Seattle, Wash. Issued by originator as report D2-100727-5.] Φ Paper, \$3.00.
- 16901 871. Some considerations of manned extravehicular activities in assembly and operation of large space structures; by H. Schuerch. Sept. 1967. cover title, v+17 p. il. 4° [Prepared under contract NAS 7-427 by Astro Research Corporation, Santa Barbara, Calif. Issued by originator as report ARC-R-217.] Φ Paper, \$3.00.
- 16902 872. Gratings and networks of ribbons as radio reflectors [with one reference]; by William M. Robbins, jr. Sept. 1967. cover title, [1]+17 p. il. 4° [Prepared under contract NASA 7-426 by Astro Research Corporation, Santa Barbara, Calif. Issued by originator as Report ARC-R-231.] Φ Paper, \$3.00.
- 16903 873. Spinning paraboloidal tension networks [with one reference]; by William M. Robbins, jr. Sept. 1967. cover title, [1]+31 p. il. 4° [Prepared under contract NAS 7-426 by Astro Research Corporation, Santa Barbara, Calif. Issued by originator as report ARC-R-240.] Φ Paper, \$3.00.
- 16904 874. Human operator response speed, frequency, and flexibility, review, analysis and device demonstration [with list of references]; by M. J. Wargo [and others]. Sept. 1967. cover title, vi+74 p. il. 4° [Prepared under contract NAS 12-103 by Dunlap and Associates, Inc., Santa Monica, Calif.] Φ Paper, \$3.00.
- 16905 881. Fatigue behavior of fusion welded Ti-3Al-1Mo-1V simulated wing structure under environment of supersonic transport [with list of references]; by John J. Peterson. Sept. 1967. cover title, [1]+73 p. il. 4° [Prepared under contract NAS 1-5495 by LTD Aerospace Corporation, Dallas, Tex.] Φ Paper, \$3.00.
- 16906 882. Liquid sloshing in elastic containers [with list of references]; by Helmut F. Bauer, Teh-Min Hsu, and James Ting-Shun Wang. Sept. 1967. cover title, v+34 p. il. 4° [Prepared under grant NGR-11-002-028 by Georgia Institute of Technology, Atlanta, Ga. Prepared by originator under project E-906.] Φ Paper, \$3.00.
- 16907 884. Vibration study of pressurized torus shell: pt. 1, Experimental study [with list of references]; by Peter F. Jordan. Oct. 1967. cover title, v+57 p. il. 4° [Prepared under contract NAS 1-6088 by Martin Company, Baltimore, Md.] Φ Paper, \$3.00.
- 16908 885. Same: pt. 2, Development and applications of analysis [with list of references]; by Atis A. Liepins. Oct. 1967. cover title, vii+44 p. il. 4° [Prepared under contract NAS 1-6632 by Dynatech Corporation, Cambridge, Mass.] Φ Paper, \$3.00.
- 16909 886. Study of low pressure application of orbitron [with list of references]; by Paul J. Bryant and Charles M. Gosselin. Sept. 1967. cover title, v+20 p. il. 4° [Prepared under contract NAS 1-6279 by Midwest Research Institute, Kansas City, Mo.] Φ Paper, \$3.00.
- 16910 887. Non-rotating vorticity meter [with list of references]; by Michael C. McMahon and Melvin H. Snyder, jr. Oct. 1967. cover title, vi+21 p. il. 4° [Prepared under grant NGR-17-003-003 by Wichita State University, Wichita, Kans. Issued by originator as Report AR 66-3.] Φ Paper, \$3.00.

Φ For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

NASA contractor report CR (series)—Continued

- 16911 889. Biomagnetics, considerations relevant to manned space flight [with list of references]; by Douglas E. Busby, Sept. 1967, cover title, vi+57 p. il. 4° [Prepared under contract NASr-115 by Lovelace Foundation for Medical Education and Research, Albuquerque, N.M.] Φ Paper, \$3.00.
- 16912 891. Engineering criteria for spacecraft cabin atmosphere selection [with list of references]; by M. S. Bonura et al. Sept. 1967, cover title, xxi+281 p. il. 4° [Prepared under contract NASw-1371 by Douglas Aircraft Company, Inc., Santa Monica, Calif.] Φ Paper, \$3.00.
- 16913 892. Development of prototype plastic space erectable satellite [with list of references]; by Vincent P. D'Agostino and Preston Keusch, Sept. 1967, cover title, xiii+176+[37] p. il. 4° [Prepared under contract NAS 5-3923 by Rai Research Corporation, Long Island City, N.Y.] Φ Paper, \$3.00.
- 16914 893. Colloidal asbestos fibrils as reinforcements for polymeric structures; by Charles A. Rader and Anthony M. Schwartz, Sept. 1967, cover title [1]+27 p. il. 4° [Prepared under contract NASw-1420 by Gillette Research Institute, Inc., Washington, D.C.] Φ Paper, \$3.00.
- 16915 894. Application of Lyapunov stability theory to some nonlinear problems in hydrodynamics [with list of references]; by Gabe R. Buis and William G. Vogt, Sept. 1967, cover title, iii+20 p. 4° [Prepared under grant NGR 39-011-039 by University of Pittsburgh, Pittsburgh, Pa.] Φ Paper, \$3.00.
- 16916 895. Code of transformation task that provides performance measures of non-verbal mediation (COTRAN) [with list of references]; by Earl A. Alluisi and Glynn D. Coates, Sept. 1967, cover title, viii+37 p. il. 4° [Prepared under grant NGR-18-002-008 by University of Louisville, Louisville, Ky.] Φ Paper, \$3.00.
- 16917 896. Thermal and mechanical properties of nondegraded and thermally degraded phenolic-carbon composite [with list of references]; by W. T. Engelke, C. M. Pyron, Jr., and C. D. Pears, Oct. 1967, cover title, iii+55 p. il. 4° [Prepared under contract NAS 1-5448, task order 3 by Southern Research Institute, Birmingham, Ala.] Φ Paper, \$3.00.
- 16918 898. Study and analysis of satellite power systems configurations for maximum utilization of power, Oct. 1967, cover title, xvii+[282] p. il. 4° [Prepared under contract NAS 5-9178 by TRW Systems, Redondo Beach, Calif. Issued by originator as Report 04898-6001-R000.] Φ Paper, \$3.00.
- 16919 900. Fore-and-aft stiffness characteristics of pneumatic tires [with list of references]; by R. N. Dodge, David Orne, and S. K. Clark, Oct. 1967, cover title, vi+34 p. il. 4° [Prepared under grant NSG-344 by University of Michigan, Ann Arbor, Mich. Issued by originator as technical report 6.] Φ Paper, \$3.00.
- 16920 902. Study on feasibility of V/STOL concepts for short haul transport aircraft [with list of references and uncited references], Oct. 1967, cover title, [1]+170 p. il. 4° [Prepared under contract NAS 2-3035 by Lockheed-California Company, Burbank, Calif. Issued by originator as report LR 19586.] Φ Paper, \$3.00.
- 16921 NASA educational publications, Sept. 1967. 12 p. narrow 8° \dagger \bullet Item 830-J NAS 1.9/2: Ed 8/967
- NASA facts. [Educational publication of Office of Public Affairs, Educational Programs Division.] \bullet Item 830-H
- 16922 S-2. Spacecraft tracking and communication. [Aug. 1967.] [4] p. il. 4° (Science series, Jr. high school general science.) * Paper, 5c. NAS 1.20: S-2
- 16923 S-4. Countdown [with list of references]. [Aug. 1967.] [4] p. il. 4° (Science series, elementary, general science.) * Paper, 5c. NAS 1.20: S-4
- 16924 v. 4, no. 3. Pioneer spacecraft. [1967.] 8 p. il. 4° (NF-31.) * Paper, 10c. NAS 1.20: 4/3
- 16925 v. 4, no. 8. Simulators. [1967.] 8 p. il. 4° (NF-36.) * Paper, 10c. NAS 1.20: 4/8
- 16926 NASA headquarters telephone directory. [Quarterly.] * Paper, \$1.25 a yr., 50c. additional for foreign mailing; single copy 35c. NAS 1.24: (date) Mar. 1967—
- 16927 NASA incentive contracting guide, NHB 5104.3. [3d edition.] [1967.] cover title, [1]+ii+[142] p. il. 4° (Formerly NPC 403.) [This handbook, with NHB 5104.4 supersedes Jan. 18, 1965 edition.] * Paper, 70c. \bullet Item 830-F NAS 1.18: In 2/2/967
- NASA SP (series). NAS 1.21: (nos.)
- 16928 153. Symposium on computer simulation of plasma and many-body problems, cosponsored by NASA Langley Research Center and College of William and Mary, held Apr. 19-21, 1967, at College of William and Mary, Williamsburg, Va. [with bibliographies]. 1967. xviii+[1]+440 p.+[8] leaves, il. 4° (Scientific and Technical Information Division.) [Errata, dated Oct. 31, 1967, 1+14 p., issued also.] Φ Paper, \$3.00. L.C. card 67-62729

*For Sale by Superintendent of Documents

\dagger Distribution Made by Issuing Office

\ddagger Official Use. Not Available

- 16929 3021. Models of trapped radiation environment: v. 4. Low energy protons [with list of references; by] Joseph H. King. 1967. v+62 p. il. 4° (Scientific and Technical Information Division, Office of Technology Utilization.) [Study sponsored by National Aeronautics and Space Administration and Air Force and prepared under Air Force contract by Aerospace Corporation, El Segundo, Calif.] Φ Paper, \$3.00. L.C. card 66-60540
- 16930 3034. Electron densities and scale heights in topside ionosphere, Alouette 1 observations over American continents: v. 4. Summary graphs [with list of references; by] Kwok-Long Chan, Lawrence Colin, and John O. Thomas. 1967. iii+321 p. il. 4° (Scientific and Technical Information Division, Office of Technology Utilization.) Φ Paper, \$3.00. L.C. card 66-62184
- 16931 5021(05). Index to NASA tech briefs, Jan.-June 1967. Aug. 1967. cover title. iv+16+26 p. 4° [Supplements Cumulative index to NASA tech briefs, NASA SP-5021(04), Feb. 1967.] Φ Paper, \$3.00. L.C. card 65-60677
- 16932 5039. Structural design concepts, some NASA contributions [with bibliographies]; by L. Albert Scipio. 1967. vi+174 p. il. ([Technology Utilization]; Technology Utilization Division, Office of Technology Utilization.) * Paper, 70c. ● Item S30-1 L.C. card 67-61859
- 16933 5083. Analytical chemistry instrumentation, survey [with list of references]; by J. S. Whittick, R. F. Muraca, and L. A. Cavanagh. Aug. 1966 [published] 1967. vi+134 p. il. ([Technology Utilization]; Technology Utilization Division, Office of Technology Utilization.) [Prepared under NASA contract NASr-49(10), Stanford Research Institute, Menlo Park, Calif.] * Paper, 60c. ● Item S30-1 L.C. card 67-60025
- 16934 7011(40). Aerospace medicine and biology, continuing bibliography with indexes, selection of annotated references to unclassified reports and journal articles that were introduced into NASA Information System during July 1967; [prepared by Scientific and Technical Information Facility operated by Documentation Incorporated]. Aug. 1967. vi+80+1-81 p. 4° (Scientific and Technical Information Division.) [Compiled through cooperative efforts of Aerospace Medicine and Biology Bibliography Project of Library of Congress (LC), American Institute of Aeronautics and Astronautics (AIAA), and NASA.] Φ Paper, \$3.00. L.C. card 65-62676
- 16935 7011(41). Aerospace medicine and biology, continuing bibliography with indexes, selection of annotated references to unclassified reports and journal articles that were introduced into NASA Information System during Aug. 1967; [prepared by Scientific and Technical Information Facility operated by Documentation Incorporated]. Sept. 1967. vi+82+1-79 p. 4° (Scientific and Technical Information Division.) [Compiled through cooperative efforts of Aerospace Medicine and Biology Bibliography Project of Library of Congress (LC), American Institute of Aeronautics and Astronautics (AIAA), and NASA.] Φ Paper, \$3.00. L.C. card 65-62676

NASA tech briefs. [Issued by Technology Utilization Division to summarize specific technical innovations derived from the space program. Issued with perforations.] Φ Paper, each 15c. NAS 1.29: (nos.)

- 16936 67-10232. Blood oxygen saturation determined by transmission spectrophotometry of hemolyzed blood samples. Aug. 1967. [2] p. 4° ([MSC-11018.]) [Corrected copy.]
- 16937 67-10274. High impact pressure regulator withstands impacts of over 15,000 g. Aug. 1967. [2] p. il. 4° ([NPO-10175.])
- 16938 67-10276. System precisely controls oscillation of vibrating mass. Aug. 1967. [2] p. il. 4° ([M-FS-1875.])
- 16939 67-10279. Computer program for determination of natural frequencies of closed spherical sandwich shells. Aug. 1967. [2] p. 4° ([MSC-1246.])
- 16940 67-10280. Master control data handling program uses automatic data input. Aug. 1967. 1 p. 4° ([M-FS-2259.])
- 16941 67-10286. Liquid crystals detect voids in fiberglass laminates. Aug. 1967. [2] p. 4° ([LEW-10104.])
- 16942 67-10287. Computer program provides linear sampled-data analysis for high order systems. Aug. 1967. [2] p. 4° ([MFS-12821.])
- 16943 67-10288. Laser system generates single-frequency light. Aug. 1967. [2] p. 4° ([MFS-2556.])
- 16944 67-10289. Wideband, high efficiency optical modulator requires less than 10 watts drive power. Aug. 1967. [2] p. il. 4° ([MFS-12733.])
- 16945 67-10297. Fresnel diffraction plates are simple and inexpensive. Aug. 1967. 1 p. 4° ([MFS-12731.])
- 16946 67-10298. Electronic dummy for acoustical testing. Aug. 1967. [2] p. il. 4° ([MSC-206, 1164, 1165, and 1166.])
- 16947 67-10299. Liquid oxygen ducting cleaned by falling film method. Aug. 1967. [2] p. il. 4° ([MFS-11816.])
- 16948 67-10300. Circuit provides overcurrent protection to push-pull amplifier. Aug. 1967. [2] p. il. 4° ([MSC-12033.])
- 16949 67-10303. Process controls introduction of selected impurities into semiconductor wafers. Aug. 1967. 1 p. il. 4° ([GSF C-523.])

GOVERNMENT PUBLICATIONS

NASA tech briefs—Continued

- 16950 67-10306. Computer program uses Monte Carlo techniques for statistical system performance analysis. Aug. 1967. 1 p. 4° (MFS-2234.)
- 16951 67-10307. Computer program determines thermal environment and temperature history of lunar orbiting space vehicles. Aug. 1967. 1 p. 4° (MFS-12916.)
- 16952 67-10309. Study of random process theory aids digital data processing. Aug. 1967. 1 p. 4° (MFS-1475.)
- 16953 67-10310. Computer program for mass optional solutions of some endpoint trajectory problems. Aug. 1967. 1 p. 4° (MFS-12976.)
- 16954 67-10319. Transient analysis generator (TAG) simulates behavior of large class of electrical networks. Sept. 1967. 1 p. 4° (NPO-10031.)
- 16955 67-10320. Evaporant feed device facilitates flash vapor deposition process in vacuum. Sept. 1967. [2] p. il. 4° ([NPO-10232.]
- 16956 67-10321. Application of distorted models in developing scaled structural models. Sept. 1967. [2] p. 4° ([MFS-2540.]
- 16957 67-10322. Chemical milling solution reveals stress corrosion cracks in titanium alloy. Sept. 1967. [2] p. il. 4° ([LAR-10077.]
- 16958 67-10323. Computer program utilizes FORTRAN IV subroutines for contour plotting. Sept. 1967. [2] p. 4° ([NPO-10127.]
- 16959 67-10325. Segmented, arch-bound carbon seal is pressure loaded. Sept. 1967. [2] p. il. 4° ([MFS-12777.]
- 16960 67-10326. Portable spectrometer monitors inert gas shield in welding process. Sept. 1967. [2] p. il. 4° ([M-FS-12144.]
- 16961 67-10327. Multiple correlation computer program determines relationships between several independent and dependent variables. Sept. 1967. 1 p. 4° (MFS-13024.)
- 16962 67-10331. General purpose computer programs for numerically analyzing linear ac electrical and electronic circuits for steady-state conditions. Sept. 1967. 1 p. 4° (MFS-13094.)
- 16963 67-10332. Hand-held instrument should relieve hematoma pressure. Sept. 1967. [2] p. il. 4° ([MSC-599.]) [Corrected copy.]
- 16964 67-10333. Braze joint quality tested electromagnetically. Sept. 1967. [2] p. il. 4° ([MFS-12795.])
- 16965 67-10335. Method of improving contact bonds in silicon integrated circuits. Sept. 1967. 1 p. 4° (MFS-1753.)
- 16966 67-10336. Device enables calibration of microphones at high sound pressure levels. Sept. 1967. 1 p. 4° (MFS-11980.)
- 16967 67-10337. Low-energy gamma ray inspection of brazed aluminum joints. Sept. 1967. [2] p. il. 4° ([MSC-1189.])
- 16968 67-10338. Accuracy of laser measurements improved by pulse autocorrelator electronic system. Sept. 1967. [2] p. il. 4° ([MSC-10033.])
- 16969 67-10340. High-strength tungsten alloy with improved ductility. Aug. 1967. 1 p. 4° (Lewis-10257.)

NASA technical note TN (series).

NAS 1.14: D-(nos.)

- 16970 D-3980. Dynamic model investigation of water pressures and accelerations encountered during landings of Apollo spacecraft [with list of references]; by Sandy M. Stubbs. Sept. 1967. cover title, [1]+43 p. il. 4° Φ Paper, \$3.00.
- 16971 D-4079. Hypersonic aerodynamic characteristics of minimum-wave-drag bodies having variations in cross-sectional shape [with list of references]; by Bernard Spencer, jr. Sept. 1967. cover title, [1]+24 p. il. 4° Φ Paper, \$3.00.
- 16972 D-4085. Simulator investigation of maneuver speed increases of SST configuration in relation to speed margins [with list of references]; by Milton D. McLaughlin. Oct. 1967. cover title, [1]+31 p. il. 4° Φ Paper, \$3.00.
- 16973 D-4103. Equations for rapid machine computation of equilibrium composition of air and derivatives for flow-field calculations [with list of references]; by G. Louis Smith, Wayne D. Erickson, and Mary R. Eastwood. Oct. 1967. cover title, [1]+47 p. il. 4° Φ Paper, \$3.00.
- 16974 D-4106. Equilibrium thermodynamic properties of high-temperature nitrogen, alkali-metal vapor mixture [with list of references]; by Stephen K. Park. Oct. 1967. cover title, [1]+67 p. il. 4° Φ Paper, \$3.00.
- 16975 D-4107. Methods of obtaining surface temperatures of materials in presence of extraneous radiation [with list of references]; by R. L. Schilling. Sept. 1967. cover title, [1]+27 p. il. 4° Φ Paper, \$3.00.
- 16976 D-4110. Alignment of inertial systems on moving base [with list of references]; by Arthur H. Lipton. Sept. 1967. cover title, v+177 p. il. 4° Φ Paper, \$3.00.
- 16977 D-4111. Heterodyne phase shifter with inductive delay line pickup provides stepless phase shift [with list of references]; by George B. Robinson. Sept. 1967. cover title, iv+49 p. il. 4° Φ Paper, \$3.00.
- 16978 D-4113. Rounding error bounds by perturbation-condition analysis [with list of references]; by Donald J. Rose. Sept. 1967. cover title, [1]+31 p. 4° Φ Paper, \$3.00.
- 16979 D-4114. Isentropic flow solutions for reacting gas mixtures in thermochemical equilibrium [with list of references]; by Ernest V. Zohy, Jane T. Kemper, and Casimir J. Jachimowski. Oct. 1967. cover title, [1]+48 p. il. 4° Φ Paper, \$3.00.
- 16980 D-4116. Effects of simulated space environment on thermal radiation characteristics of selected black coatings [with list of references]; by William R. Wade and Donald J. Progar. Sept. 1967. cover title, [1]+64 p. il. 4° Φ Paper, \$3.00.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 16981 D-4117. Far-field acoustic environmental predictions for launch of Saturn V and Saturn V MLV configuration [with list of references]; by Stanley Guest and Jess H. Jones. Sept. 1967. cover title, vi+29 p. il. 4° Φ Paper, \$3.00.
- 16982 D-4119. Explicit solution for Lagrange multipliers on singular subarc of optimal trajectory [with bibliographies]; by Rowland E. Burns. Sept. 1967. cover title, vi+30 p. il. 4° Φ Paper, \$3.00.
- 16983 D-4120. Summary of operational experiences of 3 light observation helicopters and 2 large load-lifting military helicopters [with list of references]; by Daniel J. DiCarlo. Sept. 1967. cover title, [1]+34 p. il. 4° Φ Paper, \$3.00.
- 16984 D-4123. Scale factors for parachute opening [with one reference]; by Richard L. Barton. Sept. 1967. cover title, ii+17 p. il. 4° Φ Paper, \$3.00.
- 16985 D-4133. Effect of planetary albedo on solar orientation of spacecraft [with list of references]; by Anthony Fontana. Sept. 1967. cover title, [1]+25 p. il. 4° Φ Paper, \$3.00.
- 16986 D-4134. Aerodynamic investigation of some high-drag entry shapes at Mach 15.4 [with list of references]; by Frederick W. Gibson. Sept. 1967. cover title, [1]+25 p. il. 4° Φ Paper, \$3.00.
- 16987 D-4135. Digital computer program for calculating steady temperature and density distributions in gas containing heat sources [with list of references]; by Harry W. Davison. Sept. 1967. cover title, [1]+40 p. il. 4° Φ Paper, \$3.00.
- 16988 D-4138. Design and fabrication considerations for 1/10-scale replica model of Apollo/Saturn V [with list of references]; by Sumner A. Leimbetter, H. Wayne Leonard, and E. John Brock, Jr. Oct. 1967. cover title, [1]+81 p. il. 4° Φ Paper, \$3.00.
- 16989 D-4140. Differential cross sections for (d,a) reaction on scandium 45 [with list of references]; by Joseph R. Priest and John S. Vincent. Sept. 1967. cover title, [1]+11 p. il. 4° Φ Paper, \$3.00.
- 16990 D-4151. VULCAN, depletion program for use with independent 1-dimensional spatial calculations [with list of references]; by John L. Anderson, Jr. Sept. 1967. cover title, [1]+71 p. 4° Φ Paper, \$3.00.
- 16991 D-4153. Determination of boundary-reflected-disturbance lengths in Langley 16-foot transonic tunnel [with list of references]; by Francis J. Capoue and Edward M. Coates, Jr. Sept. 1967. cover title, [1]+68 p. il. 4° Φ Paper, \$3.00.
- 16992 D-4157. Theoretical performance of solar-cell space power systems using spectral dispersion; pt. 2, Dispersion by diffraction gratings [with list of references]; by Thomas M. Klucher. Sept. 1967. cover title, [1]+23 p. il. 4° Φ Paper, \$3.00.
- 16993 D-4158. Input admittance of coaxial transmission line opening onto flat dielectric-covered ground plane [with list of references]; by Calvin T. Swift. Sept. 1967. cover title, [1]+31 p. il. 4° Φ Paper, \$3.00.
- 16994 D-4159. Minimum fuel ascent from lunar surface [with list of references]; by Albert E. Brown. Sept. 1967. cover title, [1]+21 p. il. 4° Φ Paper, \$3.00.
- 16995 D-4160. Photodesorption of oxygen from nickel oxide powder [with list of references]; by Paul A. Faeth. Sept. 1967. cover title, [1]+13 p. il. 4° Φ Paper, \$3.00.
- 16996 D-4161. Method of analyzing dynamic data characterized by time-varying frequency spectrum; by Arthur D. Brenza. Sept. 1967. cover title, [1]+14 p. il. 4° Φ Paper, \$3.00.
- 16997 D-4162. Reaction rates of carbon monoxide with hydroxyl radicals and oxygen atoms [with list of references]; by Edgar L. Wong, Andrew E. Potter, Jr., and Frank E. Belles. Sept. 1967. cover title, [1]+18 p. il. 4° Φ Paper, \$3.00.
- 16998 D-4164. Estimates of local and average fuel temperatures in gaseous nuclear rocket engine [with list of references]; by Albert F. Kascak. Sept. 1967. cover title, [1]+29 p. il. 4° Φ Paper, \$3.00.
- 16999 D-4165. Thermodynamic properties of potassium to 2100°K [with list of references]; by Sheldon Heimel. Sept. 1967. cover title, iv+36 p. il. 4° Φ Paper, \$3.00.
- 17000 D-4170. Investigation of pitch maneuver speed margins for supersonic transport configuration with variable-sweep wing [with list of references]; by Richard H. Sawyer, Milton D. McLaughlin, and Norman S. Silsby. Oct. 1967. cover title, [1]+15 p. il. 4° Φ Paper, \$3.00.
- 17001 D-4172. Gaseous-hydrogen-liquid-oxygen rocket combustion at supercritical chamber pressures [with list of references]; by Martin Hersch and Edward J. Rice. Sept. 1967. cover title, [1]+29 p. il. 4° Φ Paper, \$3.00.
- 17002 D-4173. Analysis of stress-rupture and creep properties of tungsten-fiber-reinforced copper composites [with list of references]; by David L. McDaniel, Robert A. Signorelli, and John W. Weeton. Sept. 1967. cover title, iv+55 p. il. 4° Φ Paper, \$3.00.
- 17003 D-4175. Electrochemical reduction of chlorine on carbon in molten lithium chloride-potassium chloride [with list of references]; by Andrew E. Potter and Betty S. DelDuca. Sept. 1967. cover title, [1]+18 p. il. 4° Φ Paper, \$3.00.
- 17004 D-4176. Static parasitic speed controller for Brayton-cycle turboalternator [with list of references]; by John L. Word, Raymond L. E. Fischer, and Bill D. Ingle. Sept. 1967. cover title, [1]+21 p. il. 4° Φ Paper, \$3.00.
- 17005 D-4177. Heat transfer in 30° and 60° half-angle of convergence nozzles with various diameter uncooled pipe inlets [with list of references]; by Donald R. Boldman, Harvey E. Neumann, and James F. Schmidt. Sept. 1967. cover title, [1]+43 p. il. 4° Φ Paper, \$3.00.

Φ For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 73

GOVERNMENT PUBLICATIONS

NASA technical note TN (series)—Continued

- 17006 D-4178. Experimental heat transfer study of regeneratively cooled hydrogen fluorine rocket engine at low chamber pressure [with list of references]; by Arthur N. Curren [and others]. Sept. 1967. cover title, [1]+66 p. il. 4° Φ Paper, \$3.00.
- 17007 D-4182. Static aerodynamic characteristics of 3 ram-air-inflated low-aspect-ratio fabric wings [with list of references]; by Sanger M. Burk, jr., and George M. Ware. Sept. 1967. cover title, [1]+34 p. il. 4° Φ Paper, \$3.00.
- 17008 D-4184. Effect of ductile cladding on bend transition temperature of wrought tungsten [with list of references]; by Gordon K. Watson. Oct. 1967. cover title, [1]+20 p. il. 4° Φ Paper, \$3.00.
- 17009 D-4185. Entry flight aerodynamics from Apollo mission AS-202 [with list of references]; by Ernest R. Hillje. Oct. 1967. cover title, vi+54 p. il. 4° Φ Paper, \$3.00.
- 17010 D-4195. Numerical method for studying transient blade motions of rotor with flapping and lead-lag degrees of freedom [with list of references]; by Julian L. Jenkins, jr. Oct. 1967. cover title, [1]+33 p. il. 4° Φ Paper, \$3.00.
- 17011 D-4196. Pressures and forces on flare-stabilized bodies in air and in mixture of 85-percent CO₂ and 15-percent air [with list of references]; by Gene P. Menees. Oct. 1967. cover title, [1]+22 p. il. 4° Φ Paper, \$3.00.

NASA technical report R (series).

NAS 1.12: (nos.)

- 17012 263. Temperature, pressure, density and wind measurements in upper stratosphere and mesosphere, 1965 [with list of references]; by W. S. Smith [and others]. Sept. 1967. cover title, iii+91 p. il. 4° Φ Paper, \$3.00.
- 17013 266. Fatigue life under random loading for several power spectral shapes [with list of references]; by Sherman A. Clevenston and Roy Steiner. Sept. 1967. cover title, [1]+24 p. il. 4° Φ Paper, \$3.00.
- 17014 267. Correlation of friction coefficients for laminar and turbulent flow with ratios of surface to bulk temperature from 0.35 to 7.35 [with list of references]; by Maynard F. Taylor. Sept. 1967. cover title, [1]+18 p. il. 4° Φ Paper, \$3.00.
- 17015 268. Numerical results for diffraction of normal shock wave by sphere and for subsequent transient flow [with list of references]; by Richard W. Barnwell. Sept. 1967. cover title, [1]+36 p. il. 4° Φ Paper, \$3.00.
- 17016 271. Absolute temperature measurement at microwave frequencies [with list of references]; by George G. Haroules and Wilfred E. Brown III. Sept. 1967. cover title, [1]+34 p. il. 4° [Presented at URSI, International Scientific Radio Union, Commission 1, Stanford University, Stanford, Calif., Dec. 8, 1966.] Φ Paper, \$3.00.

NASA technical translation TT (series).

- 17017 F-494. Helicopters, calculation and design: v. 1. Aerodynamics [with list of references]; by M. L. Mil' et al. Sept. 1967. cover title, xv+489 p. il. 4° [Mashinostroyeniye Publishing House, Moscow, 1966.] Φ Paper, \$3.00.

NAS 1.13/2: F-494

- 17018 Opportunities for participation in space flight investigations, NIIB 8030.1A, memorandum change 1. July 24, 1967. 2 p. 4° * Paper, \$1.75 (including basic handbook and supplementary material for one year); 50c. additional for foreign mailing. NAS 1.18: Sp 1/2/ch.1

- 17019 ——— memorandum change 2, Voyager 1973 Mars Mission. July 28, 1967. [2]+ii+35 p. il. 4° * Paper, \$1.75 (including basic handbook and supplementary material for one year); 50c. additional for foreign mailing. \bullet Item 830-F NAS 1.18: Sp 1/2/ch.2

- 17020 Report of Apollo 204 Review Board to Administrator, National Aeronautics and Space Administration: App. G, pt. 2. [1967.] cover title, G-169 p. il. 4° * Paper, \$1.25. \bullet Item 830-C L.C. card 67-61354 NAS 1.2: Ap 4/2/app.G/pt.2

- 17021 Space science and applications program. Oct. 1967 edition. [1967.] cover title, [3]+xvi+[406] p. 4° (NIIB 8030.2A.) [Supersedes Dec. 1965 edition (NIIB 8030.2).] \ddagger \bullet Item 830-P L.C. card 66-62585 NAS 1.33: 967

- 17022 Speaking of space & aeronautics. ([Office of Public Affairs.]) [Current significant material relating to U.S. program to provide information for educational community and general public.]

v. 4, no. 2. Goals for urban America; by James E. Webb. [July 1967.] cover title, 13 p. narrow 8° [Address delivered at colloquium on Urban government in decade ahead at Fels Institute of Local and State Government, University of Pennsylvania, May 23, 1967.] \ddagger NAS 1.32: 4/2

*For Sale by Superintendent of Documents

\ddagger Distribution Made by Issuing Office

Φ Official Use. Not Available

- 17023 U.S. standard atmosphere, 1962 [ICAO standard atmosphere to 20 kilometers, proposed ICAO extensions to 32 kilometers, tables and data to 700 kilometers], Corrigenda. [1967.] 1 p. 4° † ● Item S30-C
NAS 1.2: At 6/962/corrig.
- 17024 U.S. standard atmosphere supplements, 1966 [with list of references]. [1967.] xx+289 p. 4° ([United States Committee on Extension of Standard Atmosphere.]) [Prepared under sponsorship of Environmental Science Services Administration, National Aeronautics and Space Administration, and Air Force. Publication is 2 major sets of tables, those for region below 120 kilometers, and those for 120 to 1,000 kilometers. Colored illustration on front cover.] * Cloth, \$4.00. ● Item S30-C
NAS 1.2: At 6/966/supp.

NATIONAL AGRICULTURAL LIBRARY, Agriculture Dept.
Washington, D.C. 20250

- Agricultural/biological vocabulary, 1st edition. ● Item 95
A 17.2: V 85/v. (nos.)
- 17025 v. 1. Categorized list [with list of references]. 1967. xix+395 p. * Paper, \$2.50.
L.C. card Agr 67-329
- 17026 v. 2. Alphabetical list, 1967. [2]+619 p. 4° * Paper, \$3.50.
L.C. card Agr 67-329

NATIONAL ARCHIVES AND RECORDS SERVICE, General Services
Administration, Washington, D.C. 20408

- 17027 Genealogical records in National Archives. [1967.] [2]+12 p. narrow 8°
([Publication 67-7.]) † ● Item 569 GS 4.2: G 28/967
- 17028 Guide to records of Italian Armed Forces, 1967. (National Archives.) [Text on p. 2 of cover.] †
L.C. card A67-7734 GS 1.6/2: It 1/pt.1-3
pt. 1. xii+146 p. oblong 8°
pt. 2. xii+133 p. oblong 8°
pt. 3. xii+170 p. oblong 8°
- 17029 List of record groups in National Archives and Federal records centers, Aug. 1967. [1967.] cover title, iii+46 p. 4° [Replaces list of July 1965.] † GS 4.19: 967
- 17030 Supplement to List of National Archives microfilm publications, 1966: [compiled by Publications Sales Branch]. Aug. 1967. vi+18 p. ([National Archives publication 68-2.]) †
L.C. card A61-9222 GS 4.2: M 58/966/supp.

NATIONAL BUREAU OF STANDARDS, Commerce Dept.
Gaithersburg, Md. 20760

- 17031 Microwave and high-frequency bibliography. [June 1967.] 16+[1] p. narrow 8° (Radio Standards Laboratory.) †
L.C. card 67-62750 C 13.37/4: M 58
- Miscellaneous publications. ● Item 247 C 13.10: (nos.)
- 17032 250. Calibration and test services of National Bureau of Standards, 1965 edition: Insert 14, Notice of change, July 1967. 1 p. 4° [Issued with perforations.] †
- 17033 260. Standard reference materials: Catalog and price list of standard materials issued by National Bureau of Standards. [1967 edition.] Sept. 15, 1967. v+42 p. 4° (Office of Standard Reference Materials.) [Supersedes 1965 edition.] * Paper, 45c.
L.C. card 64-62975
- 17034 277, supp. 1. Photonnuclear data index, Jan. 1965-Apr. 1967 [with bibliographies]: prepared by Photonnuclear Data Group, Institute for Basic Standards. Oct. 1967. iv+66 p. 4° * Paper, 45c.
L.C. card 66-60027

GOVERNMENT PUBLICATIONS

National standard reference data series, NSRDS-NBS. ● Item 248-B
C 13.48:(nos.)

- 17035 10. Selected values of electric dipole moments for molecules in gas phase [with bibliography; by] Ralph D. Nelson, jr., David R. Lide, jr., and Arthur A. Maryott. Sept. 1, 1967. v+49 p. 4° (Category 3, Atomic and molecular properties.) [Supersedes data on dipole moments included in NBS circular 537.] * Paper, 40c.
L.C. card 67-60055
- 17036 14. X-ray wavelengths and X-ray atomic energy levels; [by] J. A. Bearden. Sept. 25, 1967. vi+66 p. (Category 3, Atomic and molecular properties.) [Reprinted from Reviews of modern physics, v. 31, no. 1, Jan. 1967.] * Paper, 40c.

Product standard PS (series). (Office of Engineering Standards Services.)

- 17037 5-66. Porcelain enameled steel plumbing fixtures, addendum, May 1967. 1 p. † ● Item 243
C 13.20/2: 5-66/add.

Technical notes. ● Item 249-A C 13.46:(nos.)

- 17038 355. Correlations for predicting leakage through closed valves [with list of references; by] Jesse Hord. Aug. 1, 1967. iii+15 p. 4° (Cryogenics Division, Institute for Materials Research.) * Paper, 20c.
- 17039 406. X ray wavelength conversion tables and graphs for qualitative electron probe microanalysis [with one reference; by] Kurt F. J. Heinrich and Mary Ann M. Giles. Sept. 25, 1967. [1]+53 p. 5 pl. 4° * Paper, 70c.
- 17040 420. Drawings of micrometer U-tube manometers for ranges up to 100 mm of mercury [with list of references; by] A. M. Thomas and J. L. Cross. Aug. 26, 1967. [2]+3 p. 9 p. of pl. 4° (Mechanics Division, Institute for Basic Standards.) * Paper, 15c.
- 17041 426. Analytical Mass Spectrometry Section, summary of activities, July 1966-June 1967 [with list of references]; edited by William R. Shields. Sept. 15, 1967. vi+53 p. il. 4° * Paper, 40c.
- 17042 430. Designs for surveillance of volt maintained by small group of saturated standard cells [with list of references; by] W. G. Eicke, J. M. Cameron. Oct. 9, 1967. [2]+19+[1] p. il. 4° * Paper, 20c.

NATIONAL LABOR RELATIONS BOARD Washington, D.C. 20570

- 17043 The Board and its decisions as seen from inside of NLRB, remarks of Sam Zagoria, member, National Labor Relations Board, at luncheon of New Jersey Chamber of Commerce and American Association of Industrial Management, Atlantic City, N.J., Oct. 20, 1967. [1967.] [1]+8+[1] p. 4° (R1092.) †
LR 1.7: Z 1/15
- 17044 Opportunity knocks at executive suite, remarks of Sam Zagoria, member, National Labor Relations Board, at luncheon of Labor-Management Relations Clinic, sponsored by Associated Industries of Arkansas, Inc. and Arkansas State Chamber of Commerce in cooperation with region 26 (Memphis), National Labor Relations Board, Little Rock, Ark., Sept. 27, 1967. 1967. [1]+9 p. 4° (R-1090.) †
LR 1.7: Z 1/14

NATIONAL LIBRARY OF MEDICINE, Health, Education, and Welfare Dept., Bethesda, Md. 20014

- 17045 Public Health Service film catalog, 1967. [Revised Mar. 1967.] [1967.] xi +[8]+94 p. il. 4° ([Public Health Service Publication 776]; National Medical-Audiovisual Center.) [Supersedes all previous editions.] * Paper, 75c. ● Item 497-A
L.C. card 60-61867
FS 2.36/2: 967

NATIONAL MUSEUM, Smithsonian Institution Washington, D.C. 20560

Bulletin.

- 17046 260. Bathyal and abyssal gammaridean Amphipoda of Cedros Trench, Baja, California [with list of literature cited; by] J. Laurens Barnard. 1967. vi+205 p. il. * Paper, \$1.00. ● Item 919
L.C. card 67-62715
SI 3.3: 260

Contributions from National Herbarium. † ● Item 920 SI 3.8:(nos.)

- 17047 v. 34, pt. 4. Taxonomic study of subgenus Podosemum and section Epicampes of Muhlenbergia (Gramineae) [with list of literature cited]; by Thomas R. Soderstrom. 1967. iii+75-189 p. il. 14 pl.
L.C. card 67-62120

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 17048 v. 37, pt. 1. Studies of Pacific Island plants: 17. Genus *Geniostoma* (loganiaceae) in New Hebrides, Fiji, Samoa, and Tonga, by Albert C. Smith and Benjamin C. Stone [title page and index]. 1967. [2] leaves.
17049 v. 38, pt. 3. Genus *Grammitis* in Ecuador; by Conrad V. Morton. 1967. [1]+85-123 p. 4 p. of pl.
L.C. card 67-62724

Proceedings of National Museum.

- 17050 3621. New crayfish from Alabama caves, with notes on origin of genera *Oreconectes* and *Cambarus* (Decapoda: Astacidae) [with list of literature cited]; by Horion H. Hobbs, jr. 1967. v. 125, cover title, 17 p. il. † ● Item 922
SI 3.6: 123/3621
17051 Proceedings of National Museum, v. 122, nos. 3581-3600 [title page and contents]. 1967. v. p. † ● Item 922
SI 3.6: 22/t.p.& cont.

NATIONAL PARK SERVICE, Interior Dept. Washington, D.C. 20242

- 17052 Lava Beds National Monument, Calif. [Revised 1967.] [1967.] [2] p. il. oblong 8" folded into narrow 8" size. * Paper, 10c. ● Item 650
I 29.21: L 38/2/967
17053 Minute Man National Historical Park, Mass. [1967.] [10] p. il. narrow 24" † ● Item 650
I 29.21: M 66/2/967
17054 Tuzigoot National Monument, Ariz. [1967.] [2] p. il. narrow 7", folded into oblong 32" size. * Paper, 10c. ● Item 650
I 29.21: T 89/2/967

NATIONAL RAILROAD ADJUSTMENT BOARD Washington, D.C. 20572

- 17055 Awards 13706-760, 3d division, v. 149. Keenan Printing Company, Chicago, Ill. [1967.] [1]+1028 p. † Third Division, National Railroad Adjustment Board, 220 South State Street, Chicago, Ill. 60604 (Price upon application).
L.C. card 36-26212
RA 1.9: 149
17056 First division, v. 155, awards 20681-775. Keenan Printing Company, Law Printers, Chicago, Ill. [1967.] [1]+1012 p. † National Railroad Adjustment Board, 433 West Van Buren Street, Chicago, Ill. 60607 (Price upon application).
L.C. card 36-26211
RA 1.7: 155

NATIONAL SCIENCE FOUNDATION Washington, D.C. 20550

- 17057 Federal support for academic science and other educational activities in universities and colleges, fiscal years 1963-66; prepared [by Office of Economic and Manpower Studies] for Office of Science and Technology. [1967.] vii+137 p. il. 4° (NSF 67-14.) [Title on cover is: Federal support to universities & colleges, fiscal years 1963-66. General note on p. 2 of cover.] * Paper, 70c. ● Item 834-C
L.C. card 66-62976
NS 1.2: Ac 1/2/963-66
17058 Systems for measuring and reporting resources and activities of colleges and universities [with list of references; edited by Philip H. Tyrrell]. [1967.] xiv+444 p. 4° (NSF 67-15.) * Paper, \$2.00. ● Item 834-C
L.C. card 67-62742
NS 1.2: C 68/3

NATIONAL TRANSPORTATION SAFETY BOARD, Transportation Dept., Washington, D.C. 20590

NOTE.—The National Transportation Safety Board was established in the Transportation Department by Public law 89-670, approved Oct. 15, 1966.

- 17059 Aircraft accident report: Japan Air Lines, Ltd., Douglas DC-8, JA-S006. San Francisco, Calif., Dec. 25, 1965; adopted June 26, 1967. [July 15, 1967.] [3]+18+[1] p. il. 4° (File A-0001.) † TD 1.112: Sa 5fr

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 77

GOVERNMENT PUBLICATIONS

- 17060 Aircraft accident report: Paul Kelly Flying Service, Inc. Lear Jet 23, N243F, Palm Springs, Calif., Nov. 14, 1965; adopted June 19, 1967. [June 29, 1967.] [3]+15 p. 4° (SA-391; file 2-0649.) † TD 1.112: P 18

NAVAL ACADEMY, Annapolis, Defense Dept. Annapolis, Md. 21402

- 17061 United States Naval Academy, catalogue, 1967-68. [1967.] viii+252 p. +[2] leaves il. † ● Item 390-A D 208.109: 967-68

NAVAL AIR SYSTEMS COMMAND, Defense Dept. Washington, D.C. 20360

- 17062 Fatigue of aircraft structures [with lists of references]; by Horace J. Grover. 1966 [published 1967]. xix+335 p. il. (NAVAIR 01-1A-13.) [Prepared for research and technology.] * Paper, \$1.25. ● Item 374 (Rev)
L.C. card 67-62674 D 202.2: A17/3

NAVAL FACILITIES ENGINEERING COMMAND, Defense Dept. Washington, D.C. 20360

Design manual DM (series). [Issued in looseleaf form.] ● Item 418-A
D 209.14/2: (nos.)

- 17063 6. Drawings and specifications [with bibliography]. July 1967. x+[59] p. 4°
* Paper, 40c.
17064 33. Hospital and medical facilities [with bibliographies]. July 1967. ix+[71] p. 4° [Supersedes DM-33, Nov. 1961 and Feb. 1962, and all changes issued.]
* Paper, 50c.
17065 34. Administrative facilities [with list of criteria sources]. July 1967. ix+[29] p. 4° [Supersedes DM-34, Nov. 1961 and Feb. 1962 and all changes issued.] * Paper, 25c.
17066 35. Family housing. Aug. 1967. x+[71] p. il. 16 pl. 4° (NAVFAC DM-35.) [Cancels and supersedes Family housing, NAVDOCKS DM-35, Jan. 1965, in its entirety, and all changes issued.] * Paper, \$1.50.
17067 Machine shop, machine repairs formulas, engineered performance standards, public works maintenance. Nov. 1966 [published 1967]. cover title, ix+220 p. 4° (NAVFAC P-707.1) [Supersedes Machine shop, machine repair formulas, NAVDOCKS P-707.1, Oct. 1959, and changes thereto.]
† ● Item 418-A D 209.14: M 18/2
17068 Radiological countermeasures ashore; [prepared by Naval Radiological Defense Laboratory. July 1967. x+[237] p. il. 4° (NAVFAC P-317.) [Issued in looseleaf form. Cancels and supersedes Radiological recovery of fixed military installations, NAVDOCKS TP-P1-13, Apr. 1958, and all changes.] † ● Item 418-A
L.C. card 67-62726 D 209.14: R 11/2

NAVAL OCEANOGRAPHIC OFFICE, Defense Dept. Washington, D.C. 20390

Publications. ● Item 378 (Rev. 1957) D 203.22: (nos.)

- 17069 21. Change 6, June 17, 1967, loose leaf change pages for correcting Sailing directions for West Indies, v. 1, 3d edition, 1958. [1967.] [353] p. il. 4° [Formerly no. 128. Includes list of effective pages.] † Paper, 35c.
17070 41. Change 6, July 8, 1967, loose leaf change pages for correcting Sailing directions for Kattegat and The Sound, 1st edition, 1956. [1967.] [236] p. il. 4° [Formerly no. 141A. Includes list of effective pages.] † Paper, 35c.
17071 51. Change 11, Mar. 4, 1967, loose leaf change pages for correcting Sailing directions for west coasts of Spain, Portugal, and northwest Africa and off-lying islands, 6th edition, 1952. [1967.] [145] p. 4° [Formerly no. 134. Includes list of effective pages. Supersedes any previous list.] † Paper, 35c.
17072 54. Change 11, July 1, 1967, loose leaf change pages for Mediterranean, v. 3, 3d edition, 1951. [1967.] [300] p. il. 4° [Formerly 153. Includes list of effective pages.] † Paper, 35c.
17073 63. Sailing directions for west coast of India, 5th edition, 1967. [1]+xv+359 p. il. map in pocket, 4° [Includes list of effective pages. Issued in loose-leaf form. Includes Ceylon, Maldives and Laccadive Islands. † Paper, \$4.50 (including ring binder); \$3.00, contents only.]

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

NOVEMBER 1967

- 17074 95. Sailing directions for western shores of South China Sea, Singapore Strait to Hong Kong, 5th edition, 1957. Revised edition 1967. 1957 [published 1967]. [i]+xix+449 p. il. 2 p. of maps in pocket. 4° [Includes list of effective pages, and all Changes through no. 11, Mar. 18, 1967. Issued in looseleaf form.] † Paper, \$3.00; with ringbinder \$4.50.
- 17075 117B. Change 16, June 24, 1967, to Radio navigational aids, Pacific and Indian Oceans area, 1967. [99] p. il. 4° [Includes list of effective pages, and Notice to Mariners 25, 1957. Issued in looseleaf form.] † Paper, 50c.
- 17076 118B. Change 11, Aug. 19, 1967, Radio weather aids; Pacific and Indian Oceans area, 1st edition, 1967. [74] p. il. 4° [Includes list of effective pages and Notice to mariners 33, 1967. Issued in looseleaf form.] † Paper, 50c.
- 17077 119. Weather station index; July 22, 1967, 6th edition, 1967. vi+[125] p. il. 4° [Includes Notice to mariners 29, 1967.] † Paper, 50c.
L.C. card 63-62204

NAVAL PERSONNEL BUREAU, Defense Dept. Washington, D.C. 20390

- 17078 Aviation structural mechanic S 1 & C [with reading list; prepared by Navy Training Publications Center]. [1967 edition.] [1967.] cover title, iv+310 p. il. 4° (Navy training course; NAVPERS 10311-A.) * Paper, \$2.00.
● Item 404
L.C. card 67-62537 D 208.11: Av 5/30/967
- 17079 Guide for professional reading for officers of United States Navy and Marine Corps; compiled by Naval War College, Newport, R.I. 18th edition, 1967. [2]+ii+15 p. 4° (NAVPERS 92356G.) [Issued with perforations.] † ● Item 401-A
L.C. card 61-61559 D 208.15: P 94/967
- 17080 Navy Nurse Corps, candidate program. [May 1, 1967.] 4 p. il. 4° ([Navy Recruiting Aids Division, RAD 67214.]) † ● Item 403
D 208.2: N 93/967
- 17081 U.S. Navy uniform regulations, 1959 (NAVPERS 15665), Change 1 (reprint of effective pages only); Mar. 15, 1967. [1967.] 10 p. il. 4° [Issued in looseleaf form.] * Paper, 10c. D 208.6: Un 3/959/ch.1/cff. pages

NAVAL RESEARCH OFFICE, Defense Dept. Washington, D.C. 20390

NRL reports. (Naval Research Laboratory). D 210.8:(nos.)

- 17082 6466. Status of research on lubricants, friction, and wear [with list of references; by] R. C. Bowers and C. M. Murphy, Jan. 19, 1967. cover title, iii+148+[4] p. il. 4° ([NRL problems C02-03 and C02-01, project RR 007-08-44-5501, Air task A33536-501/652-1/F012-03-05, NRL-5R-002, DA MPR ARD-D-2-64.]) * Paper, \$1.25.
- 17083 6477. NEMAC-N computer program to calculate components of earth's magnetic field [with list of references; by] G. Chayt, G. Fleener, and M. Brinkman, Jan. 25, 1967. cover title, 20+[4] p. il. 4° ([NRL problem R01-36, SF 019-02-02-7447.]) [Text on p. 2 of cover.] † Paper, \$3.00 (AD 647355).
- 17084 6491. 5th annual progress report, present status of chemical research in atmosphere purification and control on nuclear powered submarines [articles, with lists of references]; edited by A. L. Alexander and V. R. Platt, Jan. 11, 1967. cover title, ii+52+[4] p. il. 4° ([NRL problems C08-05, C08-18, C08-30, C08-33, project SF 018-08-05, tasks 4092-95, BuWeps SP 89422.]) † Paper, \$3.00 (AD 648505).
- 17085 6522. System for measuring 1st and 2d order probability distributions of signals and noise [with list of references; by] C. McCoy, Jr., and H. L. Peterson, Sept. 11, 1967. iv+32+[4] p. il. 4° ([NRL problem S01-06, project RF 101-03-44-4054.]) †
- 17086 6536. Helium-neon laser discharge parameter study [with list of references; by] Wayne T. Whitney, June 21, 1967. cover title, ii+46+[4] p. il. 4° ([NRL problem R08-45, project RR 008-03-46-5674.]) † Paper, \$3.00 (AD 655437).
- 17087 6543. Tables of spheroidal wave functions: pt. 3, 2d volume of oblate radial functions of 1st and 2d type [with list of references]; by S. Hanish [and others], Apr. 24, 1967. cover title, xiii+274 p.+[2] leaves, 4° † Paper, \$3.00 (AD 656898).
- 17088 6545. Influence of surface-active material on properties of air bubbles at air/sea interface [with list of references; by] W. D. Garrett, May 8, 1967. cover title, ii+12+[4] p. il. 4° ([NRL problem H01-17, project RK 002-10-45-5052.]) † Paper, \$3.00 (AD 655458).
- 17089 6555. Some factors affecting movement of oil in miniature ball bearings [with list of references; by] C. R. Singletary, July 12, 1967. cover title, ii+12+[4] p. il. 4° ([NRL problems C02-04, C02-10, project Nav Air A320-073/F020 03 01, ONR RR 001-01 43-4751.]) † Paper, \$3.00 (AD 657454).

†For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

NRL reports— Continued

- 17090 6558. Accurate and stable numerical solutions to Schrödinger equation [with list of references; by] Carl A. Rouse. June 23, 1967. cover title, ii+22+[4] p. 4° ([NRL problem A01-02, project RR 004-02-42-5300.]) [Sponsored jointly by Office of Naval Research and National Science Foundation.] Φ Paper, \$3.00 (AD 655439).
- 17091 6564. Stress-corrosion cracking characteristics of alloys of titanium in salt water [with list of references; by] R. W. Judy, Jr., and R. J. Goode. July 21, 1967. [1]+ii+46+[4] p. il. 4° ([NRL problems F01-17 and M04-08B, NONR-610(09), NONR-760(31), and N00014-66-C0385, project SP-01426; ARPA order 878.]) Φ Paper, \$3.00 (AD 658721).
- 17092 6573. Full-scale fire modeling test studies of light water and protein type foams [with list of references; by] H. B. Peterson [and others]. Aug. 15, 1967. iv+56+[4] p. il. 4° ([NRL problem C08-15, project A34-534-520/652-1/F012-05-04.]) Φ Paper, \$3.00 (AD 658318).
- 17093 6575. Through-thickness notch ductility and tension properties as function of neutron exposure to simulated pressure vessel wall of A 302-B steel [with list of references; by] Charles Z. Serpan, Jr., and J. Russell Hawthorne. June 30, 1967. cover title, ii+16+[4] p. il. 4° ([NRL problem M01-14, project SF020-01-05-0858, RR 007-01-46-5409, AT (49-5)-2110, USA-ERG-3-67.]) Φ Paper, \$3.00 (AD 658019).
- 17094 6578. Flammability properties of hydrocarbon fuels: pt. 2, Importance of volatile components at low concentration of flammability of liquid fuels [with list of references; by] Wilbur A. Affens. July 10, 1967. cover title, ii+16+[4] p. il. 4° ([NRL problem C01-03, SR 001-06-02-0600, RR 010-01-44-5850.]) Φ Paper, \$3.00 (AD 657455).
- 17095 6579. Effect of cation on solubilization by oil-soluble sulfonates and applicability of mass law [with list of references; by] Samuel Kaufman. Sept. 5, 1967. cover title, iii+12+[4] p. il. 4° ([NRL problem C02-09, project RR 001-01-43-4750.]) \ddagger
- 17096 6584. Digital magnetic tape system for recording radar data: [by] P. L. Watkins, J. M. Goodman, and A. M. Knopp. July 24, 1967. cover title, ii+36+[4] p. il. 4° ([NRL problem R02-05, project ONR RF 001-02-41-4001, and ARPA order 32-60, amdt. 7.]) Φ Paper, \$3.00.
- 17097 Science education program, 1967-68, v. 23. [1967.] cover title, iii+66 p. il. (Naval Research Laboratory.) \ddagger D 210.18:23

NAVY DEPARTMENT, Defense Dept. Washington, D.C. 20350

- 17098 NAVNEWS 1967 art portfolio, add. 1; [June 1967]. [1967.] 1 p. 3 pl. 4° (NAVSO P-3011; Office of Information.) \ddagger Editorial Services Branch (01-410), Office of Information, Navy Dept., Washington, D.C. 20350 D 201.2: Ar 7/add.1
- 17099 Navy systems design guidelines manual, electronic packaging; [prepared by Trident Laboratories, Inc., Washington, D.C.]. May 1967. cover title, v+159 p.+ii leaves+A-111 p. il. 4° (NAVMAT P3940; Naval Material Command.) [Prepared in accordance with provisions of Ad Hoc Committee on Packaging Naval Electronic Equipment, pursuant to advisement of NMC/SPE Subcommittee on Packaging. Text on p. 2 of cover. Issued in looseleaf form in binder with marginal index tabs on blank cardboard showing titles.] * Stiffboard, \$3.00. \bullet Item 370-A D 201.6/12: E1 2
- 17100 Selling to Navy prime contractors; [prepared by Office of Naval Material Command (MAT02E)]. Aug. 1967. cover title, viii+120 p. 4° (NAVMAT P-1030 (8/67).) * Paper, 60c. \bullet Item 370 L.C. card 54-61267 D 201.2: Se 4/2/967

OIL AND GAS OFFICE, Interior Dept. Washington, D.C. 20240

- 17101 Remarks of Onnie P. Lattu, Director of Office of Oil and Gas, Department of Interior to National Oil Fuel Institute, New York City, Oct. 3, 1967. 1967. 6 leaves, 4° ([98519-67.]) \ddagger I 64.9: L 35/6

OUTDOOR RECREATION BUREAU, Interior Dept. Washington, D.C. 20240

- 17102 Outdoor recreation planning for the handicapped [with bibliographies]. Apr. 1967. [6]+31 p. il. 4° (Technical assistance bulletin.) [Prepared

*For Sale by Superintendent of Documents
 \ddagger Distribution Made by Issuing Office
 \ddagger Official Use. Not Available

NOVEMBER 1967

in cooperation with National Recreation and Park Association.] * Paper, 40c. ● Item 657-B-1
L.C. card 67-62669 1 66.2: H 19

PACKERS AND STOCKYARD ADMINISTRATION, Agriculture Dept. Washington, D.C. 20250

NOTE.—The Packers and Stockyard Administration was established within the Department of Agriculture by Secretary's memorandum 1613, supplement 1, effective May 8, 1967.

P&SA (series).

- 17103 1. Broiler industry, economic study of structure, practices and problems: [prepared by staff of Packers and Stockyards Administration] [Aug. 1967.] cover title, viii+86 p. il. 4° † ● Item 96-A A 96.10: 1
L.C. card Agr 67-542

PATENT OFFICE, Commerce Dept. Washington, D.C. 20231

Classification definitions. ● Item 252 C 21.3/2: (nos.)

- 17101 class 113. Sheet-metal ware, making: revised by Office of Patent Classification. Revision 1, May 1967. [3]+5 p. 4° * Paper, 10c.
17105 class 116. Signals and indicators: revised by Office of Examining and Classifying Control. Revision 1, July 1967. [2]+16 p. 4° [Issued with perforations.] * Paper, 25c.
17106 class 178. Telegraphy: revised by Office of Examining and Classifying Control. Revision 1, July 1967. [2]+21 p. 4° [Issued with perforations.] * Paper, 25c.
17107 class 179. Telephony: revised by Office of Examining and Classifying Control. Revision 1, July 1967. 2+19 p. 4° [Issued with perforations.] * Paper, 25c.
17108 class 340. Communications, electrical: revised by Office of Examining and Classifying Control. Revision 1, July 1967. [2]+33 p. 4° [Issued with perforations.] * Paper, 50c.

POST OFFICE DEPARTMENT Washington, D.C. 20260

- 17109 Address by Postmaster General Lawrence F. O'Brien at Post Office Department equal employment opportunity conference, Washington, D.C., Sept. 22, 1967. 1967. 9 leaves, 4° (General release 129.) † P 1.27: Ob 6/26
17110 Address by Postmaster General Lawrence F. O'Brien at Urban Planning Commemorative Stamp Ceremony, Washington, D.C., Oct. 2, 1967. 1967. 7 leaves, 4° (Information Service, General release 142.) † P 1.27: Ob 6/27
17111 Addressing for optical character reader. [1967.] cover title, [11] p. il. 4° † ● Item 837 P 1.2: Ad 2
[Commemorative stamp posters.]

NOTE.—Commemorative stamp posters, which will be issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.

- 17112 5-cent Christmas postage stamp, available at your local post office, Nov. 7, 1967. 1967. 10.5 x 8 in. P 1.26/2: C 46/967
17113 5-cent Thomas Eakins American painting commemorative stamp, available at your local post office, Nov. 3, 1967. 1967. 10.5 x 8 in. P 1.26/2: Ea 5
17114 5-cent Twin Space commemorative postage stamps, available at your local post office Oct. 2, 1967. 1967. 10.5 x 8 in. P 1.26/2: Sp 1
17115 Directory of post offices (with ZIP codes). [July 1967.] xv+464 p. 4° ([Publication 26; Bureau of Operations.]) [Revised annually. Last page left blank for notes.] * Paper, \$2.75. ● Item 839 P 1.10/1: 967
L.C. card 55-61389

Methods handbook M series.

- 17116 17. Use and care of revolvers: prepared by Bureau of Chief Postal Inspector. [1967.] iii+27 p. il. 4° * Paper, 25c. ● Item 843 P 24.6/2: 17 4
17117 Post Office Department is looking for advice. [1967.] cover title, [16] p. il. oblong 18° [Text on p. 2-4 of cover.] † ● Item 837 P 1.2: Ad 9

For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
● Sent to Depository Libraries

Page 81

GOVERNMENT PUBLICATIONS

- 17118 Postal laws [new and revised pages]. [1967.] [40] p. (POD publication 11.)
[Includes transmittal letter 15. Aug. 15, 1967. Issued in looseleaf form.]
* Paper, 15c. ● Item 838 (Rev.) P 1.11/3: 967/trans.15
[Public information] PI-(series).
- 17119 19. How postal inspection service protects you against mail fraud. Sept. 1967.
[24] p. il. narrow 8° (Chief Postal Inspector.) † ● Item 837-B
P 1.36/2: 19/2
- 17120 Restrictions on transportation of letters, private express statutes and interpretations. 5th edition. July 1967. iv+29 p. (POD publication 111;
Office of General Counsel.) † ● Item 837 P 1.2: L 56/2/967

PRESIDENT OF THE UNITED STATES Washington, D.C. 20501

- 17121 Action, program guide 1967-68. [1967.] v+26 p. il. (President's Committee
on Employment of the Handicapped.) † President's Committee on Em-
ployment of the Handicapped, 7131 Department of Labor Building, Wash-
ington, D.C. 20210. ● Item 766-C PrEx 1.10/7: 967-68
- National Advisory Commission on Food and Fiber: Technical papers.
● Item 851-J Pr 36.8: F 73/T 22/v. (nos.)
- 17122 v. 1. Food needs and U.S. agriculture in 1980, analysis of land, labor, and capital
requirements under varying levels of exports and alternative farm pro-
grams [with list of references]; by Earl O. Heady and Leo V. Mayer.
Aug. 1967. xiii+[1]+116 p. il. * Paper, 50c.
- 17123 v. 3. Food and fiber in Nation's politics; by Charles M. Hardin. Aug. 1967.
xi+236 p. * Paper, 75c.
- 17124 v. 5. Agricultural policy, review of programs and needs [articles, with bibliog-
raphies]; by Frederick V. Waugh [and others]. Aug. 1967. ix+172 p. il.
* Paper, 60c.
- 17125 Remarks of Harold Russell, Chairman, President's Committee on Employ-
ment of the Handicapped, before Interstate Conference of Employment
Security Agencies, New Orleans, La., Sept. 27, 1967. [1967.] 6 p. 4°
(President's Committee on Employment of the Handicapped.) † Presi-
dent's Committee on Employment of the Handicapped, 7131 Department
of Labor Bldg., Washington, D.C. 20210 PrEx 1.10/2: R 91
- 17126 Rural poverty, hearings before National Advisory Commission on Rural
Poverty, Memphis, Tenn., Feb. 2 and 3, 1967. Sept. 1967. viii+290 p.
† Agriculture Department, Washington, D.C. 20250. ● Item 851-J
L.C. card 67-62737 Pr 36.8: R 88/R 88/967-2
- 17127 — Washington, D.C., Feb. 15-17, 1967. Sept. 1967. vi+494 p. † Agriculture
Department, Washington, D.C. 20250. ● Item 851-J
L.C. card 67-62736 Pr 36.8: R 88/R 88/967-3

PRISONS BUREAU, Justice Dept. Washington, D.C. 20537

National prisoner statistics, NPS bulletin.

- 17128 41. Executions, 1930-66. Apr. 1967. [1]+13 p. il. 4° † J 16.23: 41
- 17129 National prisoner statistics: State prisoners, admissions and releases, 1964.
[1967.] [2]+75 p. il. 4° † J 16.23/2: 964

PUBLIC DOCUMENTS DIVISION, Government Printing Office Washington, D.C. 20402

- 17130 Brush up on your writing with these selected U.S. Government publications
[list]. [1967.] [4] p. oblong 48° † ● Item 552 GP 3.22: W 93/2/967
- 17131 List of classes of United States Government publications available for
selection by depository libraries. Revised Aug. 1, 1967. [1967.] 27 p. 4°
† ● All depositories. GP 3.24: 967
- Price list PL (series). † ● Item 554 GP 3.9: (nos.)
- 17132 11. Home economies, foods and cooking; Oct. 1967. 57th Edition. [1967.] [2]
+19 p. il.
L.C. card 26 26196

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

NOVEMBER 1967

- 17133 33A. Occupations, professions and job descriptions; Sept. 1967. 18th edition. [1967.] [2]+17 p. L.C. card 48-46746
- 17134 53. Maps, engineering, surveying; Sept. 1967. 55th edition. [1967.] [2]+21 p. il. L.C. card 25-26876
- 17135 78. Social security, industrial hazards, health and hygiene, safety for workers, pensions, workmen's compensation and insurance; Sept. 1967. 16th edition. [1967.] ii+15 p. L.C. card 49-46433
- 17136 84. Atomic energy and civil defense; Oct. 1967. 9th edition. [1967.] [2]+26 p. L.C. card 55-63297

PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept. Washington, D.C. 20201

- 17137 Bibliography of translations in neural sciences, 1950-60; prepared by Richard T. Louttit and Michael J. Hanik. [1967.] [3]+112 p. 4" ([National Clearinghouse for Mental Health Information] National Institute of Mental Health.) [Title on cover is: Translations in brain sciences, bibliography.] * Paper, 60c. ● Item 506-A
L.C. card 67-62741 FS 2.22/I3: B 73
- 17138 Bold new approach, film presentation, how a community plans and develops comprehensive mental health center [announcement]. [1967.] [4] p. narrow 8" ([Public Information Branch, National Institute of Mental Health.]) †
FS 2.22: M 52/66
- 17139 Directory, poison control centers. [Revised May 1967.] [1967.] iii+35 p. ([Publication 1278]; Bureau of Health Services, Division of Direct Health Services, National Clearinghouse for Poison Control Centers.) [Text on p. 2 of cover.] * Paper, 20c. ● Item 485
L.C. card 62-64891 FS 2.2: P 75/2, 967
Environmental health series: Radiological health.
- 17140 RH-26. Natural environmental radioactivity from radon 22 [with list of references]; by John E. Pearson. [May 1967.] vi+32 p. il. ([Publication 999-RH-26]; Bureau of Disease Prevention and Environmental Control, National Center for Radiological Health.) [Abstract cards attached to back cover.] †Public Inquiries Branch, Public Health Service, Health, Education, and Welfare Dept., Washington, D.C. 20201. ● Item 483-F
L.C. card 67-60058 FS 2.360: RH-26
- 17141 1966 final reports, State mental health planning; [prepared by Rasma Finlayson and Dorothea L. Dolan]. [Nov. 1966, published 1967.] vi+208 p. 4" ([Publication 1685; National Clearinghouse for Mental Health Information], National Institute of Mental Health.) † ● Item 507
L.C. card 67-62744 FS 2.22: M 52/42/966
- 17142 Funeral directors' handbook on death and fetal death registration. [1967.] vi+39 p. ([Publication 593C; National Center for Health Statistics.]) * Paper, 20c. ● Item 509 FS 2.106/2: F 96
- 17143 Guide to grant and award programs of National Institutes of Health. [Revised 1967.] July 1967. v+23 p. ([Publication 1067]; National Institutes of Health, Division of Research Grants.) * Paper, 15c. ● Item 507-H FS 2.22/15: G 76/967
- 17144 Health consequences of smoking, Public Health Service review, 1967 [with bibliographies]. [1967.] x+199 p. ([Publication 1696.]) * Paper, 60c. ● Item 485-A
L.C. card 67-62521 FS 2.309: 967
Health information series. ● Item 486 FS 2.50: (nos.)
- 17145 11. Scabies; [prepared by National Communicable Disease Center]. [Revised 1967.] [1967.] [4] p. narrow 8" ([Publication 79.]) * Paper, \$2.00 per 100; single copy, 5c.
- 17146 41. Malaria. [Revised May 1967.] [1967.] [4] p. il. narrow 8" ([Publication 166.]) * Paper, \$2.00 per 100; single copy, 5c.
- 17147 110. Cancer of bone; [prepared by Research Information Branch, National Cancer Institute, National Institutes of Health]. [Revised 1967.] [1967.] [6] p. narrow 8". ([Publication 1070.]) * Paper, \$2.75 per 100; single copy, 5c.

GOVERNMENT PUBLICATIONS

Health information series—Continued

- 17148 111. CF, facts about cystic fibrosis; [prepared by Information Office, National Institute of Arthritis and Metabolic Diseases, National Institutes of Health]. [1967.] [8] p. il. narrow 8" ([Publication 1077.]) * Paper, \$3.25 per 100; single copy, 5c.
- 17149 Health professions student loan program. [Revised Aug. 1967.] [1967.] [6] p. narrow 8" ([Publication 1347; Division of Health Manpower, Educational Services.]) † ● Item 485 FS 2.2: St 9/2/967
- 17150 Health protection, target of Bureau of Disease Prevention and Environmental Control. [Revised Oct. 1967.] [1967.] vi+30 p. il. 4" ([Publication 1634.]) * Paper, 30c. ● Item 485 FS 2.2: D 63/9/967-2
- 17151 Health services research centers, purposes & organization. [Aug. 1967.] [4]+8 p. 4" ([Publication 1708; Office of Research and Development, Bureau of Health Services.]) † ● Item 485 FS 2.2: H 34/33
- 17152 Industrial noise, guide to its evaluation and control [with lists of references]; edited by Andrew D. Hosey, Charles H. Powell. [1967.] iv+[120] p. il. 4" ([Publication 1572; Bureau of Disease Prevention and Environmental Control, National Center for Urban and Industrial Health, Occupational Health Program.]) * Paper, \$1.50. ● Item 496-A L.C. card 67-62714 FS 2.6/2: N 69
- 17153 List of publications issued by Public Health Service, Jan.-June 1967. [1967.] 5 p. 4" (OM-1885.) † ● Item 481-A FS 2.24/2: 967
- 17154 National Clearinghouse for Mental Health Information: Occupational mental health notes. (National Clearinghouse for Mental Health Information, National Institute of Mental Health.) [Irregular. Abstracts and source material provided under contract by Center for Occupational Mental Health, Department of Psychiatry, New York Hospital-Cornell Medical Center.] † ● Item 507-B-3 FS 2.22/50-3: (date) July 1967—
- 17155 Nurses in public health, number, educational preparation, and other characteristics of nurses employed for public health work in United States, Puerto Rico, Virgin Islands and Guam, Jan. 1966; prepared by Division of Nursing. [Revised 1967.] [1967.] vi+54 p. il. 4" ([Publication 785], Bureau of Health Manpower.) [Prepared in cooperation with Directors of Public Health Nursing, State Health Departments.] * Paper, 40c. ● Item 493-C FS 2.81: 966 L.C. card 54-60037
- 17156 Partnership for health: Information and policies on grants for comprehensive areawide health planning, sec. 314(b) Public Health Service act, as amended by Public law 89-743. [Aug. 30, 1967.] [3]+21 p. 4" (Office of Surgeon General, Office of Comprehensive Health Planning.) † ● Item 485 FS 2.2: G 76/5
- 17157 Patients in mental institutions, 1965: pt. 1, Public institutions for mentally retarded; prepared by Biometry Branch, Survey and Reports Section, National Institute of Mental Health. [1967.] 82 p. 4" (Publication 1597, pt. 1.) † ● Item 494 FS 2.59: 965/pt.1 L.C. card 43-37617
- 17158 Portfolio of photographs, science teaching aid; [prepared by Research Information Branch, National Cancer Institute, National Institutes of Health]. [1967.] portfolio of 27 pl. large 4" * Paper, \$1.75. FS 2.22: P 83
- 17159 Procedure for standardization and certification of food-service sanitation survey officers, recommended by Public Health Service. 1967 edition. [1967.] [2]+4+[1] p. 4" ([Publication 1630; Bureau of Disease Prevention and Environmental Control, National Center for Urban and Industrial Health, Environmental Sanitation Program, Milk and Food Branch, Food Sanitation Section.]) † ● Item 499 FS 2.6: F 73/4

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 17160 Proceedings of Public Health Service cooperative studies; Renal disease and hypertension, v. 4, 6th annual conferences, Apr. 1967, San Francisco, Calif. (pyelonephritis) and May 1967, Atlanta, Ga. (hypertension). [1967.] x+256 p. 4° (Bureau of Health Services, Division of Direct Health Services.) † ● Item 485
L.C. card 65-61307 FS 2.2: R 29/2/v.4
- 17161 Psychopharmacology bulletin, v. 4, no. 1, Aug. 1967. [1967.] [2]+62 p. 4° (National Clearinghouse for Mental Health Information.) [Issued irregularly.] † ● Item 507-Z-1 FS 2.22/29: 4/1
- 17162 Short-term training courses under professional nurse traineeship program of Public Health Service. Revised Aug. 1967. [1967.] 14 p. ([Bureau of Health Manpower, Division of Nursing.]) [Supplement B to Publication 1154-1.] † ● Item 485 FS 2.2: N 93/38/supp.967-2
- 17163 Symposium on recent developments in research methods and instrumentation, Oct. 2-6, 1967, Clinical Center Auditorium, National Institutes of Health, Bethesda, Md., held in conjunction with 17th annual research equipment exhibit. [July 1967.] 32+[4] p. il. [Symposium sponsored by National Institutes of Health in cooperation with Washington Sections of American Association of Clinical Chemists, American Chemical Society, American Society for Microbiology, Instrument Society of America, Society for Applied Spectroscopy, Society for Experimental Biology and Medicine. Three pages are left blank for notes.] † ● Item 507
FS 2.22: R 31/11/967
- Technical information bulletin. ● Item 486-H
- 17164 1. Procedure for bacteriological examination of food utensils and/or food equipment surfaces. [June 1967.] [3]+8 p. 4° ([Publication 1631; Bureau of Disease Prevention and Environmental Control, National Center for Urban and Industrial Health, Environmental Sanitation Program, Milk and Food Branch, Food Sanitation Section.]) † FS 2.3: 3: 1
- 17165 Treating cancer; [prepared by Research Information Branch, National Cancer Institute, National Institutes of Health]. [Revised 1967.] [1967.] [2]+20 p. il. 12° ([Publication 690.1]) [Includes list of related publications from National Cancer Institute.] * Paper, 20c. ● Item 507
FS 2.22: C 16/20/967
- 17166 Typological approaches and delinquency control, status report [with list of references]; prepared by Seymour Rubinfeld. 1967. [5]+30 p. 4° ([Publication 1627, National Institute of Mental Health; National Clearinghouse for Mental Health Information.]) * Paper, 25c. ● Item 507
L.C. card 67-62713 FS 2.22: D 37
- Vital and health statistics: Series 3, Analytical studies. (National Center for Health Statistics.)
- 17167 8. Infant mortality problems in Norway; [by Julie E. Backer and Øystein Augehaug]. Oct. 1967. [6]+40 p. il. 4° ([Publication 1000, series 3, nn. 8.]) * Paper, 30c. ● Item 500-E
L.C. card 67-61848 FS 2.85/2: 3/no.8
- Series 11, Data from national health survey. (National Center for Health Statistics.)
- 17168 26. Hearing levels of adults by race, region, and area of residence, United States, 1960-62 [with list of references; by Jean Roberts and David Rayless]. Sept. 1967. [4]+33 p. il. 4° ([Publication 1000, series 11, no. 26; Division of Health Examination Statistics.]) [Prepared in cooperation with Census Bureau.] * Paper, 30c. ● Item 500-E
L.C. card 67-70074 FS 2.85/2: 11/no.26
- Series 12, Data from national health survey. (National Center for Health Statistics.)
- 17169 9. Charges for care in institutions for the aged and chronically ill [with list of references; by Mary Grace Kovar]. Aug. 1967. [4]+51 p. il. 4° ([Publication 1000, series 12, no. 9; Division of Health Records Statistics.]) [Prepared in cooperation with Census Bureau.] * Paper, 35c. ● Item 500-E
L.C. card 67-60077 FS 2.85/2: 12/no.9

GOVERNMENT PUBLICATIONS

Vital and health statistics: Series 13, Data from National Health Survey.
(National Center for Health Statistics.)

- 17170 2. Utilization of short-stay hospitals, summary of nonmedical statistics, United States, 1965; [by Monroe G. Sirken]. Aug. 1967. [6]+21 p. il. 4° ([Publication 1000, series 13, no. 2; Division of Health Records Statistics.]) * Paper, 25c. ● Item 500-E
L.C. card 67-61720 FS 2.85/2:13/no.2

— Series 20, Data from National Vital Statistics System. (National Center for Health Statistics.)

- 17171 5. Suicide in United States, 1950-64 [with bibliography; by James T. Massey]. Aug. 1967. [4]+34 p. il. 4° ([Publication 1000, series 20, no. 5; Division of Vital Statistics.]) * Paper, 30c. ● Item 500-E
L.C. card 67-60024 FS 2.85/2:20/no.5

— Series 21, Data from National Vital Statistics System. (National Center for Health Statistics.)

- 17172 15. Divorce statistics analysis, United States, 1963 [with list of references; by Alexander A. Plateris]. Oct. 1967. [6]+57 p. il. 4° ([Publication 1000, series 21, no. 13; Division of Vital Statistics.]) * Paper, 40c. ● Item 500-E
L.C. card 65-62270 FS 2.85/2:21/no.13

Workshop series of Pharmacology Section, N.I.M.H.

- 17173 2. Ethnopharmacologic search for psychoactive drugs, proceedings of symposium held in San Francisco, Calif., Jan. 28-30, 1967 [with bibliographies]; Daniel H. Efron, editor-in-chief, Bo Holmstedt, Nathan S. Kline, co-editors. [1967.] xxii+[1]+468 p. il. ([Publication 1645.]) [Sponsored by Pharmacology Section, Psychopharmacology Research Branch, National Institute of Mental Health.] * Cloth, \$4.00. ● Item 507
L.C. card 67-62568 FS 2.310:2

- 17174 Your motorcycling fun and personal protection. [1967.] [6] p. il. small 4° ([Publication 1632; Bureau of Disease Prevention and Environmental Control, National Center for Urban and Industrial Health, Injury Control Program, Cincinnati, Ohio.]) * Paper, 5c. ● Item 485
FS 2.2:M 85/9

PUBLIC ROADS BUREAU, Transportation Dept. Washington, D.C. 20591

- 17175 Directory, urbanized area transportation planning programs, Apr. 1967. cover title, [1]+47 p. il. 4° (Office of Planning, Urban Planning Division.) [Addenda, revised July 17, 1967, issued Aug. 30, 1967, [1]+7 p., issued also.] †
L.C. card 67-62698 TD 2.102:Ur 1

- 17176 Drivers licenses, 1966. [1967.] 11 p. il. 4° † TD 2.102:D 83/2

- 17177 Guide for road inventory manual of instructions [with bibliography]. Apr. 1967. [1]+iv+84 p. il. 4° [Issued with perforations. Supersedes Apr. 1949 edition.] † ● Item 265-A TD 2.108:R 53

RECLAMATION BUREAU, Interior Dept. Washington, D.C. 20240

Engineering monograph. (Water resources technical publication.)

- 17178 3. Welded steel penstocks [with selected bibliography and references by]; Penstocks and Steel Pipe Section, Mechanical Branch Division of Design, Office of Chief Engineer, Denver, Colo.]. [First printing 1949, revised 1966.] [1967.] viii+51 p. il. 4° [First issued under authorship of P. J. Bier.] * Paper, 40c. ● Item 664-B
L.C. card 67-62545 I 27.34:3

- 17179 Federal reclamation projects, 1966 crop report and related data. [1967.] cover title, vi+48 p. il. 4° (Division of Irrigation and Land Use.) †
● Item 663-A
L.C. card 53-63671 I 27.55:966

- 17180 — statistical appendix to 1966 crop report and related data. [1967.] cover title, iii+225 p. il. 4° (Division of Irrigation and Land Use.) †
● Item 663-A
L.C. card 53-63671 I 27.55:966/app.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Research report. (Water resources technical publication.)

- 17181 9. Vibration studies of Monticello Dam [with list of references]; by George C. Rouse and Jack G. Bouwkamp. [1st printing 1967.] [1967.] v. 14 p. il. 4" * Paper, 20c. ● Item 664-B 127.54:9

REHABILITATION SERVICES ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

NOTE.—The Rehabilitation Services Administration has been assigned to the Social and Rehabilitation Service which was established August 15, 1967, by the Secretary of the Department of Health, Education, and Welfare in a major realignment of Federal welfare rehabilitation and social welfare service programs. The Vocational Rehabilitation Administration was disestablished on the same date.

- 17182 For the disabled, help through vocational rehabilitation. [1967.] 16 p. il. narrow 8" † ● Item 529 FS 13.202: D 63/6/967
- 17183 Law and the deaf, by Lowell J. Myers; edited by Max Friedman. [1967.] vii+225 p. † ● Item 529 L.C. card 67-62677 FS 13.202: D 34/9
- 17184 New life for the blind. [1967.] [19] p. il. narrow 12" † ● Item 529 FS 13.202: B 61/6
- 17185 Rehabilitation record; [Dorothy Rigdon, editor]. [Bimonthly, including annual index. Issued by Vocational Rehabilitation Office and classified FS 13.216:(v.nos.& nos.) prior to v. 8, no. 5, Sept.-Oct. 1967.] * Paper, \$1.75 a yr., 50c. additional for foreign mailing; single copy 30c. (1-3 yr. subs.) ● Item 530-A FS 17.109:(v.nos.& nos.) v. 8, no. 5— Sept.-Oct. 1967—
- 17186 6 steps forward, 1967 amendments to Vocational rehabilitation act. [1967.] [6] p. narrow 8" † ● Item 529 FS 17.102: St 4

RURAL ELECTRIFICATION ADMINISTRATION, Agriculture Dept. Washington, D.C. 20250

- 17187 List of materials acceptable for use on systems of REA electrification borrowers. July 1967. cover title, [297] p. il. 4" (REA bulletin 43-5.) [Issued in looseleaf form. Supersedes all preceding issues including revisions.] * Paper, \$1.50 (including basic manual and one semiannual supplement); 25c. additional for foreign mailing. ● Item 116-A L.C. card 52-61393 A 68.6/2: 967
- 17188 Number and percentage of farms electrified with central station service by States, 1935, 1940, 1950, and 1967. Oct. 5, 1967. 1 p. oblong 8" (Statistical Services Section, Accounting and Statistics Branch, Program and Administrative Services Division.) † A 68.20: 967
- REA bulletins.
- 17189 43-5. See above, List of materials acceptable for use on Systems of REA electrification borrowers.
- 17190 61-3. Underground rural distribution, 1967 [with bibliographies]. [Revised edition.] June 1967. [6]+45 p. il. 4" [Issued with perforations.] † A 68.3: 61-3, 2

ST. LAWRENCE SEAWAY DEVELOPMENT CORPORATION, Transportation Dept., Massena, N.Y. 13662

NOTE.—The St. Lawrence Seaway Development Corporation was placed in the Transportation Department by Public law 89-679, approved Oct. 15, 1966.

- 17191 Saint Lawrence Seaway Development Corporation, annual report for year ended Dec. 31, 1966. [1967.] v+16 p. 4" [Also issued as H. doc. 170, 90th Cong., 1st sess.] † ● Item 1074-C T1 D 6.1: 966 L.C. card 56-61321

SELECTIVE SERVICE SYSTEM Washington, D.C. 20435

- 17192 Short course in selective service. [1967.] cover title, 1+12 p. 4" [Issued with perforations.] † ● Item 1075 Y 3.Se 4: 2Se 4/2

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 17193 Taking appeals from Selective Service classifications, [Oct. 2, 1967.] [4] p. narrow 12" † ● Item 1075 Y 3.Sc 4: 2Ap 4/967-2

SMALL BUSINESS ADMINISTRATION Washington, D.C. 20416

Small business bibliographies. † ● Item 901-K SBA 1.3:(nos.)

- 17194 53. Hobby shops; by Jack M. Besser, May 1967. 6 p. il. 4°
17195 76. Pet shops; by Stan Gores, June 1967. 4 p. il. 4°

SOCIAL AND REHABILITATION SERVICE, Health, Education, and Welfare Dept., Washington, D.C. 20201

NOTE.—The Social and Rehabilitation Service was established August 15, 1957, in a major realignment of Federal welfare rehabilitation and social service programs by the Secretary of the Department of Health, Education, and Welfare. This new agency will carry out the functions of the Welfare Administration, the Vocational Rehabilitation Administration, the Administration on Aging, and the Mental Retardation Division of the Bureau of Health Services, Public Health Service.

- 17196 Old-Age assistance and aid to families with dependent children, tables on percent of basic needs met for specified types of cases, Jan. 1967, Aug. 1967. [4] p. 4° [Issued with perforations.] † FS 17.2: Of 1

SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

Health insurance statistics: Current medicare survey report, CMS (series). (Office of Research and Statistics.)

- 17197 1. Medical insurance sample, July 28, 1967. 4+[8] p. 4° † FS 3.28/4: 1
Research and statistics note, 1967 (series). (Office of Research and Statistics.) † FS 3.28/2: 967/(nos.)

- 17198 12. Measuring early retirement: Revision of benefits series; prepared in Division of Program and Long-Range Studies, Aug. 30, 1967. 4 p. 4°
17199 13. Reform of French social security system, 1967; prepared by Werner Hasenberger and Robert W. Weise, jr. Sept. 26, 1967. 6 p. 4°
17200 14. Net worth of aged; prepared by Benjamin Bridges, jr. Sept. 28, 1967. 8+[4] p. 4°
17201 15. Independent health insurance plans, 1966; prepared by Louis S. Reed and Willine Carr, Sept. 29, 1967. 4+[4] p. 4°
17202 16. Some data on medical care of disabled workers, Oct. 2, 1967. 6 p. 4°

Research report. (Office of Research and Statistics.)

- 17203 20. Some economic effects of seasonality in OASDIHI tax payments; by Joseph M. Bonin, [1967.] vii+55 p. il. * Paper, 25c. ● Item 522-A FS 3.49: 20

SSI—(series).

- 17204 17. Special information about social security for people who receive cash tips, [June 1967.] 5+[1] p. narrow 8° † ● Item 523-B FS 3.52: 17

SOIL CONSERVATION SERVICE, Agriculture Dept. Washington, D.C. 20250

- 17205 Fall water supply summary for Nevada and Federal-State-private cooperative snow surveys [as of Oct. 1, 1967]; report prepared by Bob L. Whaley [and] Roy E. Malsor, jr. Oct. 8, 1967. [1]+5 leaves+[2] p. il. 4° [Prepared in cooperation with Nevada Department of Conservation and Natural Resources, Division of Water Resources. Text on p. 2-3 of cover.] † Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N.W. Glisan, Portland, Oreg. 97209. A 57.46/14: 967
17206 1967 fall water supply summary [western United States]; by Water Supply Forecasting Branch, Portland, Oreg. [1967.] [4] p. il. 4° † A 57.46/8: 967
17207 Soil conservation districts, status of organization by States, approximate acreage, and farms in organized districts, July 1, 1967. [7] leaves, il. 4° [Issued with perforations.] † L.C. card 50-61311 A 57.32: 967

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 17208 Soil survey: Warren County, Tenn. [with list of literature cited; by George T. Jackson and others]. Sept. 1967. cover title, ii + 79 p. il. 59 p. of pl. and maps, 1 tab., 4" [Prepared in cooperation with Tennessee Agricultural Experiment Station. Text on p. 2 of cover.] *Paper, \$3.00.
● Item 102 (Rev. 1957)
L.C. card Agr 67-337 A 57.38: W 25

Soil survey investigation report.

- 17209 17. Soil survey laboratory data and descriptions for some soils of Wisconsin. Sept. 1967. [4] + 223 p. 4" [Prepared in cooperation with Wisconsin Agricultural Experiment Station. Map on p. 4 of cover.] † ● Item 121-A A 57.52: 17

STATE DEPARTMENT Washington, D.C. 20520

- 17210 Africa, sub-Sahara, selected functional bibliography. [Sept. 1967.] 27 p. 1" (Foreign Service Institute, Center for Area and Country Studies.) † S 1.114/3: Af 8
- 17211 American foreign policy, current documents, 1964: [compiled by John P. Glennon and others]. [Aug. 1967.] lxxi + 1406 p. [Publication 8253; Historical Office, Bureau of Public Affairs.] *Cloth, \$4.75. ● Item 875
L.C. card 59-64042 S 1.71/2: 964

Background notes. ([Office of Media Services, Bureau of Public Affairs.]) [Issued with perforations.] ● Item 862-B

- 17212 Angola [with bibliography]. [Revised Aug. 1967.] [1967.] 5 p. il. 4" ([Publication 7962.]) *Paper, 5c. S 1.123: An 4/967
- 17213 Barbados [with bibliography]. [June 1967.] 4 + [1] p. il. 4" ([Publication 8242.]) *Paper, 5c. S 1.123: B 23
L.C. card 65-60213
- 17214 Liberia [with bibliography]. [Aug. 1967.] 4 p. il. 4" ([Publication 7991]) *Paper, 5c. S 1.123: L 61/2/967
L.C. card 65-60213
- 17215 Senegal [with bibliography]. [Revised July 1967.] [1967.] 5 p. il. 4" ([Publication 7820.]) *Paper, 5c. S 1.123: Sc 5/967
L.C. card 66-61561
- 17216 U.S.S.R. [with bibliography]. [Revised July 1967.] [1967.] 12 + [1] p. il. 4" ([Publication 7842.]) *Paper, 10c. S 1.123: Un 33/967
L.C. card 66-61561

Department and Foreign Service series.

- 17217 124. Your Department of State. [Revised Sept. 1967.] [1967.] cover title, 16 p. il. narrow 8" ([Publication 7644; Office of Media Services, Bureau of Public Affairs.]) *Paper, 15c. ● Item 863
✓ L.C. card SD 55-206 S 1.69: 124/3

East Asian and Pacific series. ● Item 870 S 1.38: (nos.)

- 17218 162. Viet-Nam information notes: no. 7. Viet Cong terror tactics in South Viet-Nam. July 1967. 6 + [1] p. il. 4" ([Publication 8259; Office of Media Services, Bureau of Public Affairs.]) [Issued with perforations.] *Paper, 5c.
- 17219 164. Same: no. 9. Prisoners of war. Aug. 1967. 8 p. il. 4" ([Publication 8275; Office of Media Services, Bureau of Public Affairs.]) [Issued with perforations.] *Paper, 5c.
- 17220 166. Path to Viet-Nam, [lesson in involvement]; by William P. Bundy, Assistant Secretary for East Asian and Pacific Affairs. [Sept. 1967.] [1] + 14 p. 4" ([Publication 8295; Office of Media Services, Bureau of Public Affairs.]) [Address prepared for delivery before 20th annual congress of National Student Association at College Park, Md., Aug. 15 (press release 177). Reprinted from Department of State bulletin, Sept. 4, 1967. Portraits on cover.] *Paper, 15c.

- 17221 Foreign affairs research, directory of Governmental resources [with list of reference works, periodicals, and recurring publications]. [Sept. 1967.] cover title, vii + 83 p. ([Publication 8277; Office of External Research, Bureau of Intelligence and Research.]) *Paper, 35c. ● Item 876
L.C. card 67-61715 S 1.2: F76a/4/967

Geographic bulletin. (Geographer, Officer of Strategic and Functional Research, Intelligence and Research.)

- 17222 2. Status of world's nations. Revised Aug. 1967. [1967.] cover title, [2] + 18 p. 4" ([Publication 7862.]) *Paper, 20c. ● Item 876 A S 1.119 2: 2/4
L.C. card 64-61180

GOVERNMENT PUBLICATIONS

Geographic report : issued by Geographer.

- 17223 13. North America, civil divisions. Aug. 21, 1967, cover title, iv + [2] + 52 p. il. map, 4° ([Bureau of Intelligence and Research, Office of Strategic and Functional Research.]) † S 1.119:13

International boundary studies. (Geographer, [Office of Strategic and Functional Research], Bureau of Intelligence and Research.) † S 1.119/3:(nos.)

- 17224 76. Hungary-U.S.S.R. boundary. Apr. 1, 1967, cover title, [1] + 6 p. il. map, 4° (Office of Research in Economics and Science.)
17225 77. Czechoslovakia-U.S.S.R. boundary. June 15, 1967, cover title, [1] + 4 p., map, 4° (Office of Research in Economics and Science.)

International information and cultural series.

- 17226 93. Cultural presentations USA, 1965-66, report to Congress and the public, by Advisory Committee on the Arts. [Aug. 1967.] cover title, v + [1] + 82 p. il. ([Publication 8254.]) * Paper, 35c. ● Item 878 S 1.67:93

Treaties and other international acts series. * Paper, \$10.00 a yr. (approximately 150 issues), \$6.00 additional for foreign mailing; single copies vary in price. ● Item 899 S 9.10:(nos.)

- 17227 6161. Agricultural commodities, sales under title 4, agreement between United States and Afghanistan, signed Kabul Dec. 22, 1966; [entered into force Dec. 22, 1966], with exchange of notes. [1967.] [2] + 6 p. * Paper, 5c. L.C. card 67-62627
17228 6173. Agricultural commodities, agreement between United States and Turkey, signed Ankara Apr. 2, 1966; [entered into force Apr. 2, 1966], with exchange of notes. [1967.] [2] + 9 p. * Paper, 5c. L.C. card 67-62492
17229 6272. Agricultural commodities, agreement between United States and Republic of Korea, signed Seoul Mar. 25, 1967; [entered into force Mar. 25, 1967]. [1967.] [2] + 13 p. * Paper, 10c. L.C. card 67-62493
17230 6274. Defense, winter maintenance of Haines Road, agreement between United States and Canada, effected by exchange of notes signed Ottawa May 10 and June 23, 1967; [entered into force June 23, 1967]. [1967.] [2] + 3 p. * Paper, 5c. L.C. card 67-62494
17231 6280. Scientific cooperation, agreement between United States and Italy, signed Washington June 19, 1967; [entered into force June 19, 1967]. [1967.] [2] + 4 p. [English and Italian.] * Paper, 5c. L.C. card 67-62495
17232 6281. Alien amateur radio operators, agreement between United States and New Zealand, effected by exchange of notes signed Wellington June 21, 1967; [entered into force June 21, 1967]. [1967.] [2] + 3 p. * Paper, 5c. L.C. card 67-62628
17233 6285. Intergovernmental Maritime Consultative Organization (IMCO), amendments to art. 17 and 18 of convention of Mar. 7, 1948, between United States and other governments, adopted by IMCO assembly at London Sept. 15, 1964, [proclaimed by President of United States May 10, 1967; entered into force Oct. 6, 1967]. [1967.] [2] + 8 p. [English, French and Spanish.] * Paper, 10c. L.C. card 67-62643
17234 6295. Settlement of veterans claims, agreement between United States and Philippines signed Manila June 29, 1967; [entered into force June 29, 1967]. [1967.] [2] + 2 p. * Paper, 5c. L.C. card 67-62629
17235 6298. Single convention on narcotic drugs, 1961, between United States and other Governments, done New York Mar. 30, 1961 [proclaimed by President of United States July 12, 1967; entered into force with respect to United States June 24, 1967]. [1967.] [2] + 184 p. [English, French, Chinese, Russian, and Spanish.] * Paper, 65c. L.C. card 67-62722
17236 6301. Education, financing of exchange programs, agreement between United States and Pakistan, amending agreement of Sept. 23, 1950, as amended, effected by exchange of notes, date Rawalpindi and Islamabad, May 2 and June 24, 1967; [entered into force June 24, 1967]. [1967.] [2] + 3 p. * Paper, 5c. L.C. card 67-62498
17237 6302. Peace Corps agreement between United States and Dahomey, effected by exchange of notes signed Cotonou June 30 and July 3, 1967; [entered into force July 3, 1967]. [1967.] [2] + 6 p. * Paper, 5c. L.C. card 67-62603
17238 6304. Economic assistance, off-shore fishery development project for Viet-Nam, agreement between United States and Food and Agriculture Organization (FAO), effected by exchange of notes, signed Washington and Rome May 26, 1967; [entered into force May 26, 1967]. [1967.] [2] + 4 p. * Paper, 5c. L.C. card 67-62502
17239 6305. Parcel post, agreement and regulations of execution between United States and Ethiopia, signed Addis Ababa June 3, 1967, and Washington June 15,

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

- 1967; [entered into force Sept. 1, 1967]. [1967.] [2] + 21 p. * Paper, 15c.
L.C. card 67-52641
- 17240 6306. Atomic energy, application of safeguards by IAEA to United States-South Africa cooperation agreement, agreement between United States and International Atomic Energy Agency, signed Vienna July 26, 1967; [entered into force July 26, 1967]. [1967.] [2] + 11 p. * Paper, 10c.
L.C. card 67-62544
- 17241 6308. Bahamas long range proving ground, agreement between United States and United Kingdom of Great Britain and Northern Ireland, amending agreements of July 21, 1950, and June 25, 1956, effected by exchange of notes signed Washington July 17, 1967; [entered into force July 17, 1967, effective July 1, 1967]. [1967.] [2] + 4 p. * Paper, 5c.
L.C. card 67-62501
- 17242 6309. Alien amateur radio operators, agreement between United States and El Salvador, effected by exchange of notes, signed San Salvador May 24 and June 5, 1967; [entered into force June 5, 1967]. [1967.] [2] + 4 p. [Spanish and English.] * Paper, 5c.
L.C. card 67-62500
- 17243 6311. United Nations Educational, Scientific and Cultural Organization, amendment to art. 5 of constitution, adopted by General Conference of United Nations Educational, Scientific and Cultural Organization at 12th session, Paris, Nov. 15, 1962; [entered into force Nov. 15, 1962]. [1967.] [2] + 1 p. * Paper, 5c.
- 17244 6313. Vessels, reduction of period of loan, agreement between United States and Japan, effected by exchange of notes signed Tokyo Aug. 8, 1967; [entered into force Aug. 8, 1967]. [1967.] [2] + 6 p. [Japanese and English.] * Paper, 5c.
- 17245 6314. Agricultural commodities, agreement between United States and Israel, signed Washington Aug. 4, 1967; [entered into force Aug. 4, 1967]. [1967.] [2] + 15 p. * Paper, 10c.
L.C. card 67-62544
- 17246 6315. Further extension of international wheat agreement, 1962, protocol between United States and other Governments, open for signature Washington May 15-June 1, 1967; [signed on behalf of United States May 31, 1967, entered into force July 16, 1967]. [1967.] [2] + 50 p. [English, French, Spanish, and Russian.] * Paper, 20c.
L.C. card 67-62646
- 17247 6316. Trade, staging of tariff concessions, agreement between United States and Canada, amending interim agreement of Dec. 17, 1965, effected by exchange of notes signed Geneva June 30, 1967; [entered into force June 30, 1967]. [1967.] [2] + 2 p. * Paper, 5c.
L.C. card 67-62499
- 17248 6324. Cooperative study of polar cap ionosphere, agreement between United States and Canada, effected by exchange of notes, dated Ottawa Aug. 9 and 11, 1967; [entered into force Aug. 11, 1967]. [1967.] [2] + 3 p. * Paper, 5c.
L.C. card 67-62543
- 17249 6325. Civil emergency planning, agreement between United States and Canada, effected by exchange of notes signed Ottawa Aug. 8, 1967; [entered into force Aug. 8, 1967]. [1967.] [2] + 6 p. [English and French.] * Paper, 5c.
L.C. card 67-62504

STATISTICAL REPORTING SERVICE, Agriculture Dept. Washington, D.C. 20250

- 17250 Irish potatoes, utilization of 1966 crop with comparisons. Sept. 7, 1967. 3 p. 4° (Pot 1-3 (9-67); Crop Reporting Board.) † A 92.11/5:966
- 17251 Pig crop report, Sept. 1967. Sept. 21, 1967. 8 p. 4° (MtAn 4(9-67); Crop Reporting Board.) [Corrected copy.] † A 92.18.7:967-3

TARIFF COMMISSION Washington, D.C. 20436

- 17252 Cast iron soil pipe from Poland, determination of injury in investigation no. AA1921-50 under Antidumping act 1921, as amended. Sept. 1967. cover title, 22 leaves, 4° (TC publication 214.) † TC 1.31/2: P 66
- 17253 Imports of Benzenoid chemicals and products, 1966, United States general imports of intermediates, dyes, medicinals, flavor and perfume materials, and other finished benzenoid products entered in 1966 under schedule 4, pt. 1 of Tariff schedules of United States. Sept. 1967. [3] + 97 p. 4° (TC publication 216.) † TC 1.36: 966
- 17254 Sheet glass (blown or drawn flat glass), report to the President on investigation no. TEA-I-EX-4 under sec. 351(d) (3) of Trade expansion act of 1962. Sept. 1967. cover title, ii + 52 leaves, il. 4° (TC publication 215; [TC 28595].) † TC 1.2: G 46/8/967

◆For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 91

GOVERNMENT PUBLICATIONS

- 17255 Stainless steel table flatware, report to the President on investigation no. TEA-1-EX-3 under sec. 351(d)(3) of Trade expansion act of 1962. Sept. 1967. cover title, iii+81 p. 4° (TC publication 217.) †
TC 1.2: St 1/967
- 17256 Synthetic organic chemicals, United States production and sales of plasticizers, 1966, preliminary. Aug. 1967. cover title, [1]+9 p. 4° †
TC 1.33/2: P 69
- 17257 Tariff Commission submits report to Automotive Agreement Adjustment Assistance Board in adjustment assistance case pertaining to certain workers of Borg-Warner Corporation's Long Manufacturing Division plant in Detroit, Mich. Sept. 21, 1967. [1]+5 p. 4° (TC publication 218: APTA-W-17.) †
TC 1.2: Au 8/12
- 17258 Tariff Commission submits report to Automotive Agreement Adjustment Assistance Board in adjustment assistance case pertaining to certain workers of Rockwell-Standard Corporation's bumper division plant in Mishawaka, Ind. Oct. 17, 1967. [1]+5 p. 4° (TC publication 220: APTA-W-18.) †
TC 1.2: An 8/13

TAX COURT

Washington, D.C. 20224

- 17259 Reports of Tax Court, v. 47, Oct. 1, 1966-Mar. 31, 1967; Ella C. Thomas, reporter. 1967. vi+743 p. *Cloth, \$3.00. ● Item 712
L.C. card 44-6276
Ju 11.7: 47

TENNESSEE VALLEY AUTHORITY

Washington, D.C. 20444

- 17260 Engineering Laboratory research, 1965-66 in fields of civil engineering, mechanical engineering, instrumentation. Norris, Tenn., May 1967. [1]+vi+87 p. il. (Division of Water Control Planning.) [Text on p. 2 of cover.] † Director, TVA Engineering Laboratory, P.O. Box, Norris, Tenn. 37828.
Y 3.T25: 35/965-66
- 17261 Fertilizer trends, 1967 [with list of references; by] Edwin A. Harre. [1967.] 83 p. il. 4° (National Fertilizer Development Center.) †
Y 3. T25: 2F 41/6/967
- 17262 Movement of labor between farm and nonfarm sectors and multiple-job-holding by farm operators in Tennessee Valley: [by Wesley G. Smith and Venkareddy Chennareddy]. Mar. 1967. cover title, p. 3-49. (T 67-4AE: National Fertilizer Development Center.) †
L.C. card 67-62705
Y 3.T25: 2F 22
- 17263 TVA power 1967. [May 1967.] [2]+28+[1] p. il. [One illustration is colored.] †
L.C. card 35-26123
Y 3.T25: 2T 25/30/967

TRANSPORTATION DEPARTMENT

Washington, D.C. 20590

NOTE.—The Department of Transportation was established by Public Law 89-670, approved Oct. 15, 1966.

- 17264 United States Department of Transportation, its organization & functions. [1967.] [8] p. il. oblong 12° ([Office of Public Affairs.]) † ● Item 982-C-1
TD 1.2: T 68

TREASURY DEPARTMENT

Washington, D.C. 20220

- 17265 Current economic happenings, remarks of Joseph W. Barr, Under Secretary of Treasury, to National Conference of Farm Credit Directors, San Antonio, Tex., Sept. 21, 1967. [1967.] 21 p. 4° (F-1034.) †
T 1.31: B 27/30

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

Department circulars. (Fiscal Service, Bureau of Accounts.) †

T 1.4/2: (nos.)

- 17266 653. Offering of United States savings bonds, series E., 7th revision, Mar. 18, 1966 as amended, 1967 supplement, July 12, 1967. 2 p. 4° ● Item 924
- 17267 966, amdt. 1. Regulations relating to submission of certain financial statements by Government agencies. Sept. 13, 1967. [5] p.+2 leaves, 4°
- 17268 Foreign assets control regulations, commodity supplement, cumulative changes, July 1, 1967. 1967. 1 p. 4° (Office of Foreign Assets Control.) † ● Item 926 T 1.10: F 76/966/snpp/ch.
- 17269 In times of prosperity, Good Lord preserve us, remarks of Joseph W. Barr, Under Secretary of Treasury, before Boston Economic Club, Boston, Mass., Oct. 4, 1967. [1967.] 9 p. 4° (F-1046.) † T 1.31: B 27/31
- 17270 Quest for liquidity, remarks of Frederick L. Deming, Under Secretary of Treasury for Monetary Affairs, at golden anniversary banquet of Lutheran Brotherhood, Chicago, Ill., Sept. 15, 1967. 1967. 20 p. 4° † T 1.31: D 39/15
- 17271 Remarks of Henry H. Fowler, Secretary of Treasury and United States Governor of International Monetary Fund, before annual meeting of International Monetary Fund, Rio de Janeiro, Brazil, Sept. 26, 1967. [1967.] 14 p. 4° (F-1043.) † T 1.31: F 82/86
- 17272 Remarks by Henry H. Fowler, Secretary of Treasury, at National Press Club luncheon, Washington, D.C., Sept. 21, 1967. [1967.] 16 p. 4° (F-1035.) † T 1.31: F 82/85
- 17273 Treasury decisions under customs and other laws, v. 101, Jan.-Dec. 1966. 1967. v+810 p. il. [Includes decisions T.D. 66-1 through 66-281.] * Cloth, \$3.00. ● Item 927 T 1.11: 101
- L.C. card 10-30490

UNITED STATES INFORMATION AGENCY

Washington, D.C. 20547

- 17274 United States Information Agency, 28th report to Congress, Jan.-June 1967. [1967.] 16 p. il. 4° † ● Item 672-B 1A 1.1: 28
- L.C. card 54-61257

UNITED STATES TRAVEL SERVICE, Commerce Dept.

Washington, D.C. 20230

- 17275 Découvrez un nouveau monde de gastronomie, visitez les Etats-Unis. [1964.] 2 p. il. large 4°, folded into narrow 8° size. ([U.S.T.S.-106-F.]) [Illustrations are colored.] † C 47.2: F 73/French
- 17276 Descubra um mundo novo em culinária, visite os E.U.A. [1967.] 2 p. il. large 4°, folded into narrow 8° size ([U.S.T.S.-106-P.]) [Illustrations are colored.] † C 47.2: F 73/Portuguese
- 17277 11th program report, United States Travel Service, annual report of Secretary of Commerce, Jan.-Dec. 1966. 1967. vi+42 p. il. 4° * Paper, 40c. ● Item 271-A C 47.1: 966-2
- 17278 Reisen sie in eine neue welt der küche, besuchen sie die U.S.A. [1964.] 2 p. il. large 4°, folded into narrow 8° size. ([U.S.T.S.-106-G.]) [Illustrations are colored.] † C 47.2: F 73/German
- 17279 Travel a new world of food, see U.S.A. [1964.] 2 p. il. large 4°, folded into narrow 8° size. ([U.S.T.S.-106-E.]) [Illustrations are colored.] † C 47.2: F 73
- 17280 Viaje por un nuevo mundo de manjares, visite los Estados Unidos. [1964.] [2] p. il. large 4°, folded into narrow 8° size. ([U.S.T.S.-106-S.]) [Illustrations are colored.] † C 47.2: F 73/Spanish

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 93

(GOVERNMENT PUBLICATIONS)

UPPER GREAT LAKES REGIONAL COMMISSION

2001 Wisconsin Ave., N.W., Washington, D.C. 20235

NOTE.—The Upper Great Lakes Regional Commission has been established by the Secretary of Commerce under authority of Public law 89-136, approved August 26, 1965.

- 17281 Upper Great Lakes Regional Commission, new approach to economic development, [1967.] [8] p. il. narrow 8° † Y 3.Up6:2 Ec 7

VETERANS ADMINISTRATION

Washington, D.C. 20420

- 17282 Index to Veterans Administration publications, July 1, 1967, cover title, viii+236 p. 4° (VA index 1-03-1.) [Issued with perforations, Supercedes previous edition.] † ● Item 986
L.C. card 49-54163 VA 1.20:967

Research monograph.

- 17283 9. County veteran population, Dec. 1966: [prepared by Edward Schnelder assisted by Frank Van Buskirk]. [1967.] cover title, vi+82 p. 4° (Reports and Statistics Service, Office of Controller.) † ● Item 989-F
L.C. card 67-62535 VA 1.48/2:9

VA monograph (series).

- 17284 10-1. Notes on biometry in medical research; by Donald Mainland, July 1967, cover title, [1]+22 p. 4° (Research Support Centers; Research and Education in Medicine, Department of Medicine and Surgery.) †
● Item 989-F VA 1.48:10-1

VA pamphlets. † ● Item 988

VA 1.19:(nos.)

- 17285 21-64-1. Educational assistance for sons and daughters of deceased or disabled veterans. Revised Sept. 1967. [1967.] [6] p. il. narrow 12°
17286 26-6. To home-buying veteran, guide for veterans planning to buy or build homes with GI loans. Revised [edition], Aug. 1967. ii+29 p.
17287 30-1. Careers in automatic data processing in Veterans Administration. Revised Aug. 1967. [1967.] cover title, 13 p. il. 4° (Department of Data Management.) [Text and another illustration on p. 2 and 3 of cover.]

VETERANS REEMPLOYMENT RIGHTS OFFICE, Labor Dept.

Washington, D.C. 20210

- 17288 Reemployment rights, information sheet. [1967.] 4 p. narrow 8° ([OVR-600 (rev. 2-66).]) †
L 25.2:R 25/6/966

VOCATIONAL REHABILITATION ADMINISTRATION, Health,
Education, and Welfare Dept.

NOTE.—The Vocational Rehabilitation Administration was disestablished and its functions transferred to Rehabilitation Services Administration effective August 15, 1967.

WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS,

Labor Dept., Washington, D.C. 20210

- 17289 1966 amendments to Fair labor standards act, basic provisions, extent of coverage, economic effects [articles]. [1967.] [17] p. il. 4° †
L 22.2:F 15/11
17290 How Fair labor standards act as amended in 1966 applies to soft drink industry, June 1967. [2]+19 p. il. narrow 8° (WHPC publication 1219.)
† ● Item 777 L 22.2:So 2
17291 Questions and answers about Fair labor standards act, as amended in 1966. July 1967. [2]+29 p. 4° (WHPC publication 1214.) † ● Item 777
L 22.2:F 15/9

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

NOVEMBER 1967

WATER RESOURCES COUNCIL
1025 Vermont Ave., N.W., Washington, D.C. 20005

NOTE.—The Water Resources Council was established by Public law 89-80, approved July 22, 1965.

- 17292 Alternative institutional arrangements for managing river basin operations, [report of Task Force on Institutional Arrangements for River Basin Management]. Aug. 1967. [6]+8+[1] p. 4° * Paper, 15c.
Y 3.W 29: 2R 52

WEATHER BUREAU, Commerce Dept.
Washington, D.C. 20235

- 17293 Weather radar manual (WBAN) : pt. A, National weather radar network observing and reporting procedures. Aug. 1967. [40] p. il. 4° [Prepared in cooperation with Air Weather Service, Air Force Dept., and Naval Weather Service, Navy Dept. Issued in looseleaf form.] * Paper, 30c
● Item 275-E C 30.6/2: R 11/2/pt.A
- 17294 — pt. B, Weather radar fundamentals and applications [with lists of references]. Aug. 1967. ix+[164] p. il. 4° [Prepared in cooperation with Air Weather Service, Air Force Dept., and Naval Weather Service, Navy Dept. Issued in looseleaf form.] * Paper, \$1.25. ● Item 275-E
C 30.6/2: R 11/2/pt.B

WOMEN'S BUREAU, Labor Dept.
Washington, D.C. 20210

- 17295 Laws on sex discrimination in employment, Federal civil rights act, title 7, State fair employment practices laws. Apr. 1967. cover title, 13 p. 4° ([WB-297.]) †
L 13.2: Se 9
- 17296 Negro woman in United States, new roles, new challenges [from address by Mary Dublin Keyserling, director, Women's Bureau, Department of Labor, to National Association of Colored Women's Clubs convention, July 27, 1966, Oklahoma City, Okla.]. [1967.] 10 p. 4° ([WB-68-40.]) [Figures have been updated to those available as of Aug. 1, 1967.] †
L 13.12: K 52/23/rev.-2

WORK PROGRAMS BUREAU, Labor Dept.
Washington, D.C. 20210

NOTE.—The Bureau of Work Programs has been established under the Manpower Administration of the Labor Department.

- 17297 I see a future. [1967.] 14 p. il. oblong 24° † ● Item 783-D-1 L 32.2: F 98
- 17298 To choose or not to choose, address by Mark Battle, Administrator, Bureau of Work Programs, before Chicago Committee on Urban Opportunity, NYC A GO-GO, Chicago, Ill., Aug. 31, 1967. 1967. 9 p. 4° † L 32.9: B 32



MONTHLY CATALOG

OF UNITED STATES
GOVERNMENT PUBLICATIONS



DECEMBER 1967

Number 875

Entries 17299-18255
and Annual Index January-December 1967

Issued by the SUPERINTENDENT OF DOCUMENTS

U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, DC 20402 : 1967

L.C. Card 4-18088

FOR SALE BY THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT
PRINTING OFFICE, WASHINGTON, D.C. 20402. PRICE 50 CENTS PER COPY
EXCEPT DECEMBER (INDEX) ISSUE, WHICH VARIES IN PRICE
SUBSCRIPTION PRICE \$4.50 PER YEAR (INCLUDING INDEX)
\$1.50 ADDITIONAL FOR FOREIGN MAILING
THIS ISSUE \$2.00.

New Classification Numbers Assigned January—December 1967

NOTE.—New classes appearing for the first time in this issue of the Monthly Catalog are listed in italics.

	Forest Service.
A 13.62/11-3: date.....	Pacific Southwest Forest and Range Experiment Station: List of available publications.
A 13.63/13-2: CT.....	Southeastern Forest Experiment Station: Bibliographies and lists of publications.
A 13.65/14-2: CT.....	Intermountain Forest and Range Experiment Station: Bibliographies and lists of publications.
	Federal Extension Service.
A 43.39: CT.....	Note to agents (series).
A 43.40: nos.....	FES aid: Sanitation series.
	Agricultural Research Service.
A 77.230/2: date.....	Reported incidence of arthropod borne encephalitis of equine in United States in calendar year.
A 77.242: date.....	Equine piroplasmosis report, fiscal year.
	Consumer and Marketing Service.
A 88.6/5: nos.....	USDA-C&MS visual aids (series).
A 88.11/10-3: date.....	Mill margins report [new series] (monthly).
A 88.15/23: date.....	List of plants operating under USDA poultry and egg inspection and grading programs.
	NOTE.—See, for earlier class, A 88.2: P 86/2/ (date).
A 88.16/20: date.....	Working reference of livestock regulatory establishments stations and officials (monthly).
	NOTE.—See, for earlier class, A 77.221/2: (date).
	Packers and Stockyards Administration.
A 96.1: date.....	Annual report.
A 96.2: CT.....	General publications.
A 96.3: -8: Reserved	
A 96.9: v.nos.& nos.....	Packers and stockyards resumé (biweekly).
	NOTE.—See, for earlier class, A 88.16/5-2: (v.nos.& nos.).
A 96.10: nos.....	P&SA (series).
	Commerce Department.
C 1.53: nos.....	State Technical Services newsletter.
	NOTE.—Issued by Office of State Technical Services.
C 1.53/2: date.....	Office of State Technical Services annual report.
	Census Bureau.
C 3.134/a: CT.....	Statistical abstract of United States (separates).
C 3.134/3: date.....	Pocket data book (biennial).
C 3.239: letters & nos.....	Current selected services reports: Monthly selected services receipts.
C 3.240: nos.....	Data access descriptions: Matching studies series MS.

<i>D 1.42</i> : nos-----	Data access descriptions: Automated address coding guide and data retrieval series AAC. Coast and Geodetic Survey.
<i>C 4.53</i> : CT-----	Addresses. National Bureau of Standards.
<i>C 13.20/2</i> : nos-----	Product standards.
<i>C 13.36/6</i> : date-----	Technical news from Department of Commerce National Bureau of Standards.
<i>C 13.50</i> : nos-----	News for users of NBS standard reference materials. Patent Office.
<i>C 21.3/2</i> : nos-----	Classification definitions. NOTE.—Formerly entitled <i>Classification bulletins</i> , <i>C 21.3</i> : (nos.).
<i>C 30.59/46</i> : v.nos.& nos-----	Environmental Science Services Administration. Hourly precipitation data: Hawaii. Weather Bureau.
<i>C 30.82</i> : nos-----	Technical notes. Civil Aeronautics Board.
<i>C 31.244/6</i> : date-----	Briefs of accidents, U.S. civil aviation (monthly).
<i>C 31.258</i> : nos-----	Regional air cargo workshop. International Commerce Bureau.
<i>C 42.15/2</i> : nos-----	Foreign market reports service listing.
<i>C 42.27</i> : nos-----	Paris Air Show newsletter.
<i>C 42.27/2</i> : nos-----	Paris Air Show news fillers. Economic Development Administration.
<i>C 46.26</i> : date-----	Research review. United States Travel Service.
<i>C 47.11</i> : CT-----	Maps. Environmental Science Services Administration.
<i>C 52.6</i> : CT-----	Regulations, rules, and instructions.
<i>C 52.13</i> : nos-----	Monographs.
<i>C 52.15</i> : letters-nos-----	ESSA technical reports.
<i>C 52.15/2</i> : nos-----	ESSA technical memorandums.
<i>C 52.16</i> : v.nos.& nos-----	Data report, meteorological rocket network firings (monthly).
<i>C 52.17</i> : date-----	Federal Plan for Meteorological Services and Supporting Research (annual).
<i>C 52.18</i> : nos-----	Solar-geophysical data, IER-FB-(series) (monthly).
<i>C 52.19</i> : Reserved	
<i>C 52.20</i> : nos-----	ESSA professional papers.
<i>C 52.21</i> : nos-----	WB/BC (series). Federal Communications Commission.
<i>CC 1.45</i> : nos-----	CATV requests filed pursuant to sec. 74.1107(a) of the rules, public notice. Civil Rights Commission.
<i>CR 1.6</i> : CT-----	Regulations, rules, and instruction.
<i>CR 1.6/2</i> : CT-----	Handbooks, manuals, guides.
<i>CR 1.11</i> : CT-----	Urban studies. Civil Service Commission.
<i>CS 1.48/2</i> : nos-----	BEM pamphlets.
<i>CS 1.73</i> : Reserved	
<i>CS 1.74</i> : date-----	Federal employment of women (quarterly).
<i>CS 1.75</i> : date-----	Coordinator's scoreboard, review of what's new in placement of the handicapped. NOTE.—See, for earlier class, <i>CS 1.2</i> : C78.
	Defense Department.
<i>D 1.13/2-2</i> : nos-----	Armed services procurement regulation supplements ASPS-(series).
<i>D 1.19/3</i> : date-----	Digest, annotated and digested opinions, U.S. Court of Military Appeals.
<i>D 1.41</i> : Reserved	
<i>D 1.42</i> : nos-----	Shock and vibration monograph series. Joint Chiefs of Staff.
<i>D 5.9/3</i> : Reserved	
<i>D 5.9/4</i> : CT-----	Monograph series.

- D 5.15: Reserved
- D 5.16: date----- Industrial College of the Armed Forces: Perspectives in defense management, Defense Intelligence Agency.
- D 5.201:-207: Reserved
- D 5.208: date----- DoD aeronautical chart updating manual (CHUM) (monthly).
NOTE.—See, for earlier class, D 301.59/4:(date). Army Department.
- D 101.11/2: nos----- Strategic Communications Command: Technical manuals, CCTM—(series).
- D 101.66: v.nos.& nos----- Transportation proceedings (monthly). Engineers Corps (Army).
- D 103.42/5: nos----- Coastal Engineering Research Center: Technical reports.
NOTE.—See, for earlier class, D 103.15:(nos.). Stages and discharge of Mississippi River and tributaries in Vicksburg District (annual).
NOTE.—Statistics formerly included in Stages and discharges of Mississippi River and its outlets and tributaries. D 103.309:(date).
- D 103.45: date----- Stages and discharges of Mississippi River and tributaries in Memphis District (annual).
NOTE.—Statistics formerly included in Stages and discharges of Mississippi River and its outlets and tributaries. D 103.309:(date).
- D 103.45/2: date----- Stages and discharges of Mississippi River and tributaries in St. Louis District (annual).
NOTE.—Statistics formerly included in Stages and discharges of Mississippi River and its outlets and tributaries. D 103.309:(date).
- D 103.45/3: date----- Lake Survey (Army).
Bulletins, B—(series).
- D 103.203/2: nos----- Miscellaneous papers.
- D 103.210: nos----- Navy Department.
- D 201.18: v.nos.& nos----- Civilian manpower management, journal of Navy and civilian personnel management (quarterly). Naval Air Systems Command.
- D 202.16: Reserved
- D 202.17: date----- Employment opportunities.
NOTE.—See, for earlier class, D 217.9:(date). Naval Oceanographic Office.
- D 203.25:-26: Reserved
- D 203.27: CT----- Posters.
Medicine and Surgery Bureau (Navy).
- D 206.10/2: Reserved
- D 206.10/3: nos----- U.S. Naval Submarine Medical Center: Special reports.
Naval Facilities Engineering Command.
- D 209.1/2: date----- Progress report, fiscal year.
Naval Research Office.
- D 210.6/2: CT----- Handbooks, manuals, guides.
- D 210.14/3: Reserved
- D 210.14/4: v.nos.& nos----- Training device developments.
- D 210.23:-24: Reserved
- D 210.25: nos----- Test & evaluation reports.
Oceanographer of Navy, Office of.
- D 218.1: date----- Annual report.
- D 218.2: CT----- General publications.
Air Force Department.
- D 301.72: v.nos.& nos----- Driver (monthly).
- D 301.73: v.nos.& nos----- Air Force Comptroller (quarterly). Federal Reserve System Board of Governors.
- FR 1.17/3: date----- Debts, demand deposits, and turnover at 233 Individual centers (monthly).
- FR 1.34/4: date----- Automobile instalment credit developments.
- FR 1.45/2:-3: Reserved
- FR 1.45/4: CT----- Bibliographies and lists of publications.

Public Health Service.

FS 2.3/2: Reserved	
FS 2.3/3: nos.-----	Technical information bulletins.
FS 2.6/4: Reserved	
FS 2.6/5: CT-----	Air quality criteria.
FS 2.22/13-5: v.nos.& nos.-----	Artificial kidney bibliography (quarterly).
FS 2.22/50-2: Reserved	
FS 2.22/50-3: date-----	National Clearinghouse for Mental Health Information: Occupational mental health notes.
FS 2.22/50-4: date-----	— Mental health program reports.
FS 2.22/50-5: date-----	— Mental health digest.
FS 2.22/53-2: date-----	Diabetes literature index, annual index issue.
FS 2.85/4: v.nos.& nos.-----	Life tables (bound volumes).
FS 2.92/2: Reserved	
FS 2.92/3: date-----	Bulletin of courses, training program, National Center for Air Pollution Control.
FS 2.98/3: date-----	National Conference on Air Pollution: Communicator (irregular).
FS 2.106/2: CT-----	Handbooks, manuals, guides relating to vital statistics.
FS 2.123: date-----	Health resources statistics (annual).
FS 2.216/2: date-----	National Library of Medicine.
	National Library of Medicine current catalog quarterly cumulation.
	NOTE.—Prior to Jan.-Mar. 1967 issue classified and sold as part of the subscription to the bi-weekly cumulation (FS 2.216: (v.nos.& nos.)).
	Public Health Service.
FS 2.306: Reserved	
FS 2.307: date-----	Air quality data from national air sampling networks and contributing State and local networks (annual).
FS 2.308: nos.-----	CCPM pamphlets.
FS 2.309: date-----	Health consequences of smoking, Public Health Service review.
FS 2.310: nos.-----	Workshop series of Pharmacology Section, N.I.M.H.
	Social Security Administration.
FS 3.28/4: nos.-----	Health insurance statistics, CMS (series).
FS 3.50: Reserved	
FS 3.51: date-----	Directory of providers of services: Home health agencies.
FS 3.51/2: date-----	— Hospitals.
FS 3.51/3: date-----	— Extended care facilities.
FS 3.52: nos.-----	Social security information SSI-(series).
FS 3.52/2: nos.-----	TIB (series).
	Education Office.
FS 5.73/2: date-----	Public school finance program [compilations].
FS 5.77: nos.-----	Research in education (monthly).
FS 5.78: v.nos.& nos.-----	Community service and continuing education, Title 1, Higher education act of 1965.
FS 5.79: date-----	Title 1, Elementary and secondary education act of 1965, States report (annual).
FS 5.80: nos.-----	Status of compliance, public school districts, 17 southern and border States, reports (monthly).
FS 5.81: date-----	Higher education reports.
FS 5.82: date-----	Report on cooperative research to improve the Nation's schools (annual).
	Food and Drug Administration.
FS 13.128: v.nos.& nos.-----	FDA papers (monthly).
FS 13.128/a: CT-----	— (separates).
FS 13.129: CT-----	FDA's life protection series.
FS 13.130: nos.-----	Bureau of Drug Abuse and Control: Fact sheets.
FS 13.131: CT-----	Addresses.
	Welfare Administration.
FS 14.17/4: CT-----	Studies in delinquency.

- FS 14.219: date----- Family Services Bureau.
 Impact on public assistance caseloads of (a)
 Training programs under Manpower de-
 velopment and training act and Area re-
 development act, and (b) Public assistance
 work and training programs (quarterly).
 NOTE.—See, for earlier publication, FS 14.202:
 P 96/6/963-64.
- FS 15.13: CT----- Aging Administration.
 Federal financial assistance for projects in
 aging.
- FS 17.1: date----- Social and Rehabilitation Service.
 Annual report.
- FS 17.2: CT----- General publications.
- FS 17.101: date----- Rehabilitation Services Administration.
 Annual report.
- FS 17.102: CT----- General publications.
- FS 17.103: -108: Reserved
- FS 17.109: v.nos. & nos.----- Rehabilitation record.
 NOTE.—See, for earlier class, FS 13.216:(v.
 nos. & nos.).
- FS 17.201: date----- Children's Bureau.
 Annual report.
 NOTE.—See, for earlier class, FS 14.101:(date).
- FS 17.202: CT----- General publications.
 NOTE.—See, for earlier class, FS 14.102:(CT).
- FS 17.203: -207: Reserved
- FS 17.208: CT----- Handbooks, manuals, guides.
 NOTE.—See, for earlier class, FS 14.108:(CT).
- FS 17.209: v.nos. & nos.----- Children.
 NOTE.—See, for earlier class, FS 14.109:(v.
 nos. & nos.).
- FS 17.210: nos.----- Publications (numbered).
 NOTE.—See, for earlier class, FS 14.111:(nos.).
- FS 17.301: date----- Aging Administration.
 Annual report.
 NOTE.—See, for earlier class, FS 15.1:(date).
- FS 17.302: CT----- General publications.
 NOTE.—See, for earlier class, FS 15.2:(CT).
- FS 17.303: -308: Reserved
- FS 17.309: nos.----- Aging.
 NOTE.—See, for earlier class, FS 15.10:(nos.).
- GA 1.16: CT----- General Accounting Office.
 Bibliographies and lists of publications.
- GS 4.20: nos.----- National Archives and Records Service.
 National archives microfilm publications, pam-
 phlet accompanying microcopy.
- HH 1.15/3: v.nos. & nos.----- Housing and Urban Development Department.
 Consumer relations newsletter.
- HH 1.23/3: nos.----- Housing and planning references, new series.
- HH 1.27: nos.----- HUD IP-(series).
- HH 1.28: nos.----- HUD MP-(series).
- HH 1.29: nos.----- HUD PG-(series).
- HH 1.30: date----- Housing and urban development notes (bi-
 monthly).
 NOTE.—Formerly entitled Urban renewal notes,
 HH 7.12:(date).
- HH 1.31: nos.----- HUD TS-(series).
- HH 1.32: CT----- Country report series.
- I 1.69/4: Reserved Interior Department.
- I 1.69/5: letters-nos.----- Land appeals.
- I 1.69/6: letters-nos.----- Indian appeals.
- I 1.69/7: letters-nos.----- Contract appeals.
- I 1.84/2: Reserved
- I 1.84/3: nos.----- Fact sheet: Sources of Indian and Eskimo
 Arts and Crafts.
- I 1.86: date----- Telephone directory.

	Geological Survey.
I 19.15/5: bk.no./chap.no.-----	Techniques of water-resources investigations.
I 19.46/2-2: date-----	River temperatures at selected stations in Pacific Northwest (weekly).
I 19.46/2-3: date-----	River temperatures (°F.) at selected stations in Pacific Northwest (monthly).
I 19.55: date-----	Activities of Water Resources Division of California, fiscal year.
	Indian Affairs Bureau.
I 20.12/2: CT-----	Handbooks, manuals, guides.
I 20.53: v.nos.& nos.-----	Downdraft.
	Reclamation Bureau.
I 27.10/5: nos.-----	Bibliographies (numbered).
	Mines Bureau.
I 28.43/3: date-----	International petroleum annual.
I 28.76/2: date-----	Cobalt, quarterly.
I 28.110: date-----	Shipments of asphalt (annual).
I 28.113: date-----	Safety in mineral industries, annual.
I 28.114: CT-----	Laws.
	Bonneville Power Administration.
I 44.12: date-----	Advance program (annual).
	Fish and Wildlife Service.
I 49.8/6: nos.-----	Food fish situation & outlook, CEA-F (series).
I 49.8/7: Reserved	
I 49.8/8: nos.-----	Shellfish situation and outlook, CEA-S (series).
I 49.69: nos.-----	Fish distribution reports.
	Federal Water Pollution Control Administration.
I 67.5: CT-----	Laws.
	NOTE.—See, for earlier class, FS 16.5:(CT).
I 67.7: date-----	Press releases.
I 67.13: date-----	Water pollution control research and training grants.
	NOTE.—See, for earlier class, FS 2.64/7:(date)
I 67.13/2: date-----	Water pollution control research and training grants, index.
	NOTE.—See, for earlier class, FS 16.2: R 31.
I 67.14: CT-----	Bibliographies and lists of publications.
I 67.15: date-----	Building for clean water (annual).
	NOTE.—See, for earlier class, FS 16.9:(date).
	Justice Department.
J 1.32: date-----	Annual report to the President and the Congress on activities under Law enforcement assistance act of 1965.
	Community Relations Service.
J 23.7: date-----	CRS media relations, newspapers, magazines, radio, television.
	NOTE.—See, for earlier class, C 50.7/2:(date).
	Labor Department.
L 1.39/6: date-----	Manpower research projects (annual).
	NOTE.—See, for earlier class, L 1.2: M 31/26.
L 1.54/2: date-----	Information from Plans for Progress.
L 1.56: Reserved	
L 1.57: nos.-----	Department of Labor program reports.
	Labor Statistics Bureau.
L 2.61/9: date-----	Wholesale price index, preliminary estimate (monthly).
L 2.71/3: nos.-----	NE regional reports.
L 2.86/2: date-----	Wage trends in occupational groups in metropolitan areas, summary release (annual).
	NOTE.—See for earlier class, L 2.2: W 12/34/ (date).
L 2.90: date-----	Summary of manufacturing earnings series.
	NOTE.—See, for earlier class, L 2.71: 229.
	Employment Security Bureau.
L 7.67: CT-----	Bibliographies and lists of publications.

- L 7.68: date_____ Directory of local employment security offices (annual).
Women's Bureau.
- L 13.22/2: date_____ Background facts on women workers in United States (irregular).
NOTE.—See, for earlier class, L 13.2: W 84/39/ (date).
- Labor Standards Bureau.
- L 16.7/3: nos_____ How to inspect charts.
- L 16.47/6: CT_____ Maritime safety data for the stevedoring industry.
- L 16.50/2: nos_____ Labor law series.
- L 16.51/3-2: nos_____ Suggested safe practices for longshoremen (irregular).
- L 16.51/6: nos_____ Technical reference, Department of Labor safety training programs, TR-LS (series).
- L 16.51/7: nos_____ Chemical safety data sheet, Department of Labor safety programs, CDS-LS-(series).
- L 16.51/8: Reserved
- L 16.51/9: nos_____ Off the job safety, Department of Labor safety programs, OJS LS (series).
- L 16.52: date_____ Highlights, safety standards activity (annual).
Employees' Compensation Bureau.
- L 26.6/2: CT_____ Handbooks, manuals, guides.
Work Programs Bureau.
- L 32.1: date_____ Annual report.
- L 32.2: CT_____ General publications.
- L 32.3:-8: Reserved
- L 32.9: CT_____ Addresses.
Library of Congress.
- LC 1.30/7: v.nos.& nos_____ Accessions list: Ceylon (quarterly).
National Labor Relations Board.
- LR 1.6/3: date_____ National Labor Relations Board field manual.
- LR 1.8/5: date/nos_____ Digest of decisions of National Labor Relations Board CS-(series) (bimonthly).
National Aeronautics and Space Administration.
- NAS 1.1/3: date_____ Year in review at Goddard Space Flight Center.
NOTE.—See, for earlier class, NAS 1.2: G54/4/ (date).
- NAS 1.29/2: nos_____ AEC-NASA tech briefs.
- NAS 1.34: date_____ Publication of Goddard Space Flight Center.
- NAS 1.35: v.nos.& nos_____ Reliability abstracts and technical reviews (monthly).
- NAS 1.36: date_____ NASA BITS [brief ideas, thoughts, suggestions] (semiannual).
National Foundation on the Arts and the Humanities.
- NF 1.1: date_____ Reports.
- NF 1.2: CT_____ General publications.
National Endowment for the Arts.
- NF 2.1: date_____ Annual report.
- NF 2.2: CT_____ General publications.
National Endowment for the Humanities.
- NF 3.1: date_____ Annual report.
- NF 3.2: CT_____ General publications.
Post Office Department.
- P 1.40:-42: Reserved
- P 1.43: v.nos.& nos_____ Postal life (bimonthly).
President of United States.
- PrEx 1.10: CT_____ President's Committee on Employment of the Handicapped: General publications.
NOTE.—See, for earlier class, L 16.44/2:(CT).
- PrEx 1.10/2: CT_____ — Addresses.
NOTE.—See, for earlier class, L 16.44/3:(CT).

PrEx 1.10/3 : -10/5 : Reserved

PrEx 1.10/6 : date----- President's Committee on Employment of the Handicapped: Annual national ability counts contest [announcement].

NOTE.—See, for earlier class, L 16.44/2 : Ab 5/2/date.

PrEx 1.10/7 : date----- — Program guide.

NOTE.—See, for earlier class, L 16.44/2 : P 94/ (date).

PrEx 2.6/2 : CT----- Budget Bureau.

PrEx 2.11 : nos----- Handbooks, manuals, guides.

Statistical reporter.

Special Representative for Trade Negotiations, Office of.

PrEx 9.7 : date----- Press releases.

Economic Opportunity Office.

PrEx 10.9/3 : CT----- Community action (series).

PrEx 10.10/2 : Reserved

PrEx 10.10/3 : v.nos. & nos----- Job Corps staff newsletter.

PrEx 10.13 : v.nos. & nos----- VISTA volunteer.

PrEx 10.17 : v.nos. & nos----- Law in action (monthly).

PrEx 10.18 : date----- Annual report of legal services program of Office of Economic Opportunity to American Bar Association.

PrEx 10.19 : v.nos. & nos----- Traveler/El viajero, quarterly newsletter for migrant and seasonal farm workers.

NOTE.—Printed in English and Spanish.

PrEx 10.20 : CT----- So . . . you want to be (series).

PrEx 10.21 : date----- VISTA fact book.

PrEx 11. Reserved

National Council on Marine Resources and Engineering Development.

PrEx 12.1 : date----- Annual report.

PrEx 12.2 : CT----- General publications.

State Department.

S 1.1/4 : date----- Annual report of Visa Office.

S 1.40/2 : CT----- Handbooks, manuals, guides.

S 1.40/3 : Reserved

S 1.40/4 : CT----- Discussion guide, tape-recorded Department of State briefings.

International Development Agency.

S 18.36 : nos----- Industry profiles, accession notices.

Peace Corps.

S 19.15 : Reserved

S 19.16 : date----- Peace Corps program directory.

Smithsonian Institution.

SI 1.23 : v.nos. & nos----- Smithsonian journal of history (quarterly).

SI 1.24 : nos----- Smithsonian torch (monthly).

National Museum.

SI 3.1/2 : date----- Natural History Museum annual report.

National Portrait Gallery.

SI 11.1 : date----- Annual report.

SI 11.2 : CT----- General publications.

Treasury Department.

T 1.11/3 : v.nos. & nos----- Customs bulletin (weekly).

NOTE.—Replaces Treasury decisions, T 1.11/2 : (v.nos. & nos.).

Internal Revenue Service.

T 22.19/6 : nos----- Revenue procedures.

T 22.25/3 : trans.nos----- Internal revenue bulletin index-digest quarterly system: Service 1, Tax matters other than alcohol, tobacco, and firearms.

Tariff Commission.

TC 1.33/2 : CT----- Synthetic organic chemicals, United States production and sales of [various products], preliminary.

	Transportation Department.
TD 1.1: date_____	Annual report.
TD 1.2: CT_____	General publications.
	National Transportation Safety Board.
TD 1.101: date_____	Annual report.
TD 1.102: CT_____	General publications.
TD 1.103:—108: Reserved	
TD 1.109: date_____	Briefs of accidents, U.S. civil aviation, (monthly).
	NOTE.—See, for earlier class, C 31.244/6: (date).
TD 1.110: CT_____	Addresses.
TD 1.111: Reserved	
TD 1.112: CT_____	Aircraft accident reports.
	NOTE.—See, for earlier class, C 31.213: (CT).
	Federal Highway Administration.
TD 2.1: date_____	Annual report.
TD 2.2: CT_____	General publications.
	Public Roads Bureau.
TD 2.101: date_____	Annual report.
	NOTE.—See, for earlier class, C 37.1: (date).
TD 2.102: CT_____	General publications.
	NOTE.—See, for earlier class, C 37.2: (CT).
TD 2.103: Reserved	
TD 2.104: nos_____	Hydraulic engineering circulars.
	NOTE.—See, for earlier class, C 37.4/2: (nos.).
TD 2.105: CT_____	Laws.
	NOTE.—See, for earlier class, C 37.5: (CT).
TD 2.106: CT_____	Regulations, rules, and instructions.
	NOTE.—See, for earlier class, C 37.6: (CT).
TD 2.107: Reserved	
TD 2.108: CT_____	Handbooks, manuals, guides.
	NOTE.—See, for earlier class, C 37.6/2: (CT).
TD 2.109: v.nos.& nos_____	Public roads, journal of highway research.
	NOTE.—See, for earlier class, C 37.8: (v.nos.& nos.).
TD 2.110: date_____	Highway statistics (annual).
	NOTE.—See, for earlier class, C 37.17: (date).
TD 2.110/2: date_____	— summaries.
	NOTE.—See, for earlier class, C 37.17/2: (date).
TD 2.111: nos_____	Highway planning notes.
	NOTE.—See, for earlier class, C 37.26: (nos.).
	National Highway Safety Bureau.
TD 2.201: date_____	Annual report.
TD 2.202: CT_____	General publications.
	Motor Carrier Safety Bureau.
TD 2.301: date_____	Annual report.
	NOTE.—See, for earlier class, IC 1 mot.1: (date).
TD 2.302: CT_____	General publications.
	NOTE.—See, for earlier class, IC 1 mot.2: (CT).
TD 2.303:—308: Reserved	
TD 2.309: nos_____	Motor carrier accident investigation reports.
	NOTE.—See, for earlier class, IC 1 mot.18: (nos.).
TD 2.310: date_____	Accidents of large motor carriers of property.
	NOTE.—See, for earlier class, IC 1 mot.2: Ac 2/6/(date).
	Federal Railroad Administration.
TD 3.1: date_____	Annual report.
TD 3.2: CT_____	General publications.
TD 3.3:—8: Reserved	

TD 3.9: date_____	Summary of accidents reported by all line-haul and switching and terminal railroad companies, statement M-400. NOTE.—See, for earlier class, IC 1 ste.31: (date).
TD 4.1: date_____	Federal Aviation Administration. Annual report. NOTE.—See, for earlier class, FAA 1.1: (date).
TD 4.2: CT_____	General publications. NOTE.—See, for earlier class, FAA 1.2:(CT).
TD 4.3: -5: Reserved	
TD 4.6: pt.nos_____	Federal aviation regulations. NOTE.—See, for earlier class, FAA 1.6/8: (pt. nos.).
TD 4.7: Reserved	
TD 4.8: CT_____	Handbooks, manuals, guides. NOTE.—See, for earlier class, FAA 1.8:(CT).
TD 4.8/2: nos_____	FAA handbooks (numbered). NOTE.—See, for earlier class, FAA 1.8/2: (letters & nos.).
TD 4.9: v.nos.& nos_____	FAA aviation news (monthly). NOTE.—See, for earlier class, FAA 1.41/2: (v. nos.& nos.).
TD 4.10: nos_____	FAA airworthiness directive. NOTE.—See, for earlier class, FAA 1.28: (nos.).
TD 4.10/2: date_____	Summary of airworthiness directives for small aircraft. NOTE.—See, for earlier class, FAA 1.28/2: (date).
TD 4.10/3: date_____	Summary of airworthiness directives for large aircraft. NOTE.—See, for earlier class, FAA 1.28/3: (date).
TD 4.11: v.nos.& nos_____	International notams. NOTE.—See, for earlier class, FAA 1.26: (v. nos.& nos.).
TD 4.12: pt.nos./date_____	Airmen's information manual. NOTE.—See, for earlier class, FAA 3.13/3: (pt. nos./date).
TD 4.13: date_____	Status of Federal aviation regulations. NOTE.—See, for earlier class, FAA 1.18:(date).
TD 4.14: date_____	Airport activity statistics of certificated route air carriers (semiannual). NOTE.—See, for earlier class, C 31.251:(date).
TD 4.15: date_____	Aircraft type certificate data sheets and specifications. NOTE.—See, for earlier class, FAA 1.20:(date).
TD 4.16: v.nos.& nos_____	Pacific airman's guide and chart supplement (monthly). NOTE.—See, for earlier class FAA 1.25/5: (v. nos.& nos.).
TD 4.17: date_____	FAA publications. NOTE.—See, for earlier class, FAA 1.10:(date).
TD 4.18: date_____	Census of U.S. civil aircraft (annual). NOTE.—See, for earlier class, FAA 1.35/2: (date).
TD 4.18/2: date_____	United States civil aircraft register (semi-annual). NOTE.—See, for earlier class, FAA 1.35/3: (date).
TD 4.19: date_____	FAA air traffic activity. NOTE.—See, for earlier class, FAA 1.27:(date).

TD 4.19/2: date-----	Air traffic patterns for IFR and VFR aviation. NOTE.—See, for earlier class, FAA 1.27/4: (date).
TD 4.101: date-----	Airports Service. Annual report. NOTE.—See, for earlier class, FAA 8.1:(date).
TD 4.102: CT-----	General publications. NOTE.—See, for earlier class, FAA 8.2:(CT).
TD 4.103: -108: Reserved	
TD 4.109: date-----	National airport plan, fiscal year. NOTE.—See, for earlier class, FAA 8.11:(date).
TD 4.201: date-----	Aviation Medicine Office. Annual report. NOTE.—See for earlier class, FAA 7.1:(date).
TD 4.202: CT-----	General publications. NOTE.—See, for earlier class, FAA 7.2:(CT).
TD 4.203: -208: Reserved	
TD 4.209: nos-----	Aviation medical education series. NOTE.—See, for earlier class, FAA 7.13:(nos.).
TD 4.210: nos-----	[Aviation medical reports] AM (series). NOTE.—See, for earlier class, FAA 7.12:(nos.).
TD 4.301: date-----	Air Traffic Service. Annual report. NOTE.—See, for earlier class, FAA 3.1:(date).
TD 4.302: CT-----	General publications. NOTE.—See, for earlier class, FAA 3.2:(CT).
TD 4.303: -307: Reserved	
TD 4.308: CT-----	Handbooks, manuals, guides. NOTE.—See, for earlier class, FAA 3.8/2:(CT).
TD 4.309: v.nos-----	International flight information manual. NOTE.—See, for earlier class, FAA 3.13: (v.nos.).
TD 4.310: date-----	Location identifiers. NOTE.—See, for earlier class, FAA 3.10:(date).
TD 4.401: date-----	Flight Standards Service. Annual report. NOTE.—See, for earlier class FAA 5.1:(date).
TD 4.402: CT-----	General publications. NOTE.—See, for earlier class, FAA 5.2:(CT).
TD 4.403: -407: Reserved	
TD 4.408: CT-----	Handbooks, manuals, guides. NOTE.—See, for earlier class, FAA 5.8/2:(CT).
TD 4.409: date-----	General aviation inspection aids, summary and supplements. NOTE.—See, for earlier class, FAA 1.31:(date).
TD 5.1: date-----	Coast Guard. Annual report. NOTE.—See, for earlier class, T 47.1:(date).
TD 5.2: CT-----	General publications. NOTE.—See, for earlier class, T 47.2:(CT).
TD 5.3: -5: Reserved	
TD 5.6: CT-----	Regulations, rules, and instructions. NOTE.—See, for earlier class, T 47.8:(CT).
TD 5.7: Reserved	
TD 5.8: CT-----	Handbooks, manuals, guides. NOTE.—See, for earlier class, T 47.8/3:(CT).
TD 5.9: v.nos./date-----	Light list. NOTE.—See, for earlier class, T 47.52:(v.nos./ date).

TD 5.10 : date & nos.....	Notice to mariners relating to Great Lakes and tributary waters west of Montreal (weekly). NOTE.—See, for earlier class, T 47.20:(date & nos.).
TD 5.11 : date.....	Boating statistics (annual). NOTE.—See, for earlier class, T 47.54:(date).
TD 5.12 : date.....	Monthly supplement to Merchant vessels of United States. NOTE.—See, for earlier class, T 17.11 : (date).
TD 5.13 : v.nos.& nos.....	Proceedings of Merchant Marine Council. NOTE.—See, for earlier class, T 47.31:(v.nos.& nos.).
TD 5.14 : v.nos.& nos.....	Coast Guard reservist (monthly). NOTE.—See, for earlier class, T 47.47:(v.nos.& nos.).
TD 5.15 : date.....	Cadet profiles. NOTE.—See, for earlier class, T 47.2 : C 11/(date).
TD 5.16 : date.....	Coast Guard Academy catalogue. NOTE.—See, for earlier class, T 47.53:(date).
TD 5.17 : nos.....	Engineer's digest (quarterly). NOTE.—See, for earlier class, T 47.30:(nos.).
TD 6.1 : date.....	St. Lawrence Seaway Development Corporation. Annual report. NOTE.—See, for earlier class, Y 3.Sa 2:1/(date).
TD 6.2 : CT.....	General publications. NOTE.—See, for earlier class, Y 3.Sa 2:2(CT).
VA 1.46/2 : date.....	Veterans Administration. Servicemen's group life insurance program, annual report.
VA 1.47 : nos.....	Search, administrative research bulletins, ARB—(series).
VA 1.48 : nos.....	VA monographs.
VA 1.48/2 : nos.....	Research monographs.
Y 3.Ad 9/8 : 8 CT.....	Advisory Commission on Intergovernmental Relations. Handbooks, manuals, guides.
Y 3.At 7 : 56/date.....	Atomic Energy Commission. Nuclear industry. NOTE.—See, for earlier class, Y 3.At 7 : 2N 88/13/(date).
Y 3.C 63/2 : 1/date.....	Coastal Plains Regional Commission. Annual report.
Y 3.C 63/2 : 2 CT.....	General publications.
Y 3.C 63/2 : 3-8 Reserved	
Y 3.C 63/2 : 9 CT.....	Addresses.
Y 3.Eq 2 : 7-2/date.....	Equal Employment Opportunity Commission. EEOC reports, a clearinghouse service for business newsletters and periodicals.
Y 3.Eq 2 : 8 CT.....	Handbooks, manuals, guides.
Y 3.Eq 2 : 10-2/date.....	Annual digest of legal interpretations.
Y 3.Ex 7/3 : 6 CT.....	Export-Import Bank of Washington. Regulations, rules, and instructions.
Y 3.F 31/16 : 9-2/nos.....	Federal Council for Science and Technology. ICO informal reports. NOTE.—Issued by Interagency Committee on Oceanography.
Y 3.F 31/16 : 12/nos.....	ICAS reports.
Y 3.F 31/18 : 1/date.....	Federal Committee on Pest Control. Annual report.
Y 3.F 31/18 : 2 CT.....	General publications.
Y 3.F 31/18 : 3-8 Reserved	

Y 3.F 31/18: 9/v.nos.& nos-----	Pesticide monitoring journal (quarterly). Interdepartmental Committee on Status of Women.
Y 3.In 8/21: 3-7 Reserved	
Y 3.In 8/21: 7-2/date-----	Progress—American women. Lewis and Clark Trail Commission.
Y 3.L 58: 1/date-----	Report.
Y 3.L 58: 2 CT-----	General publications.
Y 3.L 58: 3-6 Reserved	
Y 3.L 58: 7/date-----	Press releases. Tennessee Valley Authority.
Y 3.T 25: 35/date-----	Engineering Laboratory research (annual). United States-Puerto Rico Commission on Status of Puerto Rico.
Y 3.Un 3/5: 1/date-----	Report.
Y 3.Un 3/5: 2 CT-----	General publications. Upper Great Lakes Regional Commission.
Y 3.Up 6: 1/date-----	Annual report.
Y 3.Up 6: 2 CT-----	General publications. Water Resources Council.
Y 3.W 29: 1/date-----	Report.
Y 3.W 29: 2 CT-----	General publications.
Y 3.W 29: 3-6 Reserved	
Y 3.W 29: 7/date-----	Press releases. House Resolution 1, Select Committee pursuant to, House.
Y 4.H 81/5: CT-----	Publications.

Discontinued Series

A 77.226: nos-----	Agricultural Research Service. Biological products notices (monthly). NOTE.—Discontinued with no. 134, Feb. 12, 1965. Replaced by Veterinary Biologics Division notices, A 77.212/2: (nos.).
A 85.11/4: nos-----	Commodity Exchange Authority. Futures trading and open contracts on Chicago Mercantile Exchange [in eggs and butter] (daily). NOTE.—Discontinued with no. 252, Dec. 30, 1966.
C 3.164: 785/date-----	Census Bureau. [Foreign trade report]: FT 785, U.S. exports & imports by air (monthly). NOTE.—Discontinued with issue for calendar year 1965; beginning Jan. 1966, replaced in part by FT 350, U.S. general imports, commodity, country, and method of transportation, C 3.164: 350/ (date), and by FT 750, U.S. exports, commodity, country, and method of transportation, C 3.164: 750/ (date).
C 41.39: date-----	Business and Defense Services Administration. Motor truck production, industry report (monthly). NOTE.—Discontinued with Feb. 1966 issue.
D 203.7: date-----	Naval Oceanographic Office. Notice to aviators, United States Navy (bi-weekly). NOTE.—Discontinued with no. 20, Sept. 28, 1966.
D 217.9: date-----	Naval Weapons Bureau. Employment opportunities (bimonthly). NOTE.—Discontinued with Mar. 1, 1966 issue.
FHL 1.9: date-----	Federal Home Loan Bank Board. Mortgage recording letter (monthly). NOTE.—Discontinued with Feb. 1965 issue.

- FR 1.24/5: date..... Federal Reserve System Board of Governors.
Monthly department store sales by departments.
NOTE.—Discontinued with Dec. 1965 issue, released Feb. 24, 1966.
- FS 2.209/3: v.nos.& nos..... Public Health Service.
Bibliography of medical translations (semi-monthly).
NOTE.—Discontinued with v.3, no.24, Dec. 30, 1966.
- HH 7.12: date..... Housing and Urban Development Department.
Urban renewal notes (bimonthly).
NOTE.—Discontinued with July-Aug. 1966 issue. Issued in expanded format as Housing and urban development notes and classified as HH 1.30: (date), beginning with Sept.-Oct. 1966.
- I 28.43/2: date..... Mines Bureau.
International petroleum quarterly.
NOTE.—Discontinued with May 1966 issue.
- L 2.8: date..... Labor Statistics Bureau.
Wholesale price index (weekly).
NOTE.—Discontinued with report for week ended Dec. 27, 1966, issued Jan. 6, 1967.
- LC 2.9/2: date..... Library of Congress.
World list of future international meetings, pt. 2, Social, cultural, commercial, humanistic (quarterly, with interim monthly issued listing changes).
NOTE.—Discontinued as separate publication with Nov. 1966 issue. Beginning with Jan. 1967 issue, published in combined format with Part 1, LC 2.9: (date).
- SBA 1.4/2: nos..... Small Business Administration.
Products list circular, new products development for small business (monthly).
NOTE.—Discontinued with no. 66-10, Oct. 1966.
- T 1.11/2: v.nos.& nos..... Treasury Department.
Treasury decisions under customs, certain internal revenue, narcotic, and other laws, and decisions of Customs Court and Court of Customs and Patent Appeals (weekly).
NOTE.—Discontinued with vol. 101, no. 50. Replaced by Customs bulletin, T 1.11/3: (v.nos.& nos.).
- Y 3.At7: 37/v.nos.& nos..... Atomic Energy Commission.
Reactor fuel processing, technical progress review (quarterly).
NOTE.—Discontinued with 1966 Fall issue, vol. 9, no. 4.

Corrections for Previous Monthly Catalogs

- Mar. 1964. Entry 4769, Report to Congress of United States: Review of certain activities of government of Virgin Islands of United States, fiscal year 1962. Correct class to read GA 1.13: V 81/962.
- Oct. 1966. Entry 15398, Foreign funds control, regulations and related documents, May 19, 1966. Correct class to read T 1.10: F 76/2/966.
- Nov. 1966. Entry 16908, Fact sheet on the educational attainment of nonwhite women. Change class to read L 13.2: Ed 8/4/966.
- Apr. 1967. Entry 5963, United States Department of Commerce promotes economic growth, Guidebook to commerce, agency of business. Change class to read C 1.8/3: C 73/967-2.
- Entry 7203, Summaries of trade and tariff information, prepared in terms of Tariff schedules of United States (TSUS): Schedule 1, Animal and vegetable products, v. 11, Tobacco and tobacco products. Correct class to read TC 1.26/2: 1/11.

- May 1967. Entry 8774, Foreign assets control, regulations and related documents, commodity supplement, May 8, 1967. Correct class to read T 1.10: F 76/964/supp.-2.
- June 1967. Entry 10057, Planning for home health services, summary of developments in home health care. Change class to read FS 2.2: H 75/7/967.
- Aug. 1967. Entry 13094, Smoking and illness. (Publication 1662.) Correct class to read FS 2.2: Sm 7/7/967.
- Entry 13185, Fact sheet on educational attainment of nonwhite women. Change class to read L 13.2: Ed 8/4/967.
- Sept. 1967. Page 160, Chicago Public Library. Correct date of designation to read 1876.
- Page 175, Fort Vancouver Regional Library. Correct date of designation to read 1962.
- Oct. 1967. Entry 15209, Foreign agricultural economic report 35. Correct price to read * Paper, 25c.
- Nov. 1967. Entry 16032, Metropolitan area statistics. Correct class to read C 3.134/a: M 567.
- Entry 17263, TVA power 1967. Correct class to read Y 3.T 25: 30 P 87/967.
- Entry 17268, Foreign assets control regulations, commodity supplement, cumulative changes, July 1, 1967. Correct class to read T 1.10: F 76/964/supp.-2/ch.

Classified List of Government Authors

	Beginning Entry
Agriculture Department.....	17304
Agricultural Research Service.....	17299
Consumer and Marketing Service.....	17680
Economic Research Service.....	17710
Foreign Agricultural Service.....	17792
Forest Service.....	17793
Rural Electrification Administration.....	18199
Soil Conservation Service.....	18212
Statistical Reporting Service.....	18234
American Battle Monuments Commission.....	17366
Arms Control and Disarmament Agency.....	17371
Atomic Energy Commission.....	17390
Civil Aeronautics Board.....	17445
Civil Service Commission.....	17453
Commerce Department.....	17469
Business and Defense Services Administration.....	17415
Census Bureau.....	17418
Economic Development Administration.....	17708
Environmental Science Services Administration.....	17738
Coast and Geodetic Survey.....	17465
Weather Bureau.....	18253
International Commerce Bureau.....	17853
Maritime Administration.....	17907
National Bureau of Standards.....	18075
Clearinghouse for Federal Scientific and Technical Information.....	17464
Patent Office.....	18117
Congress.....	17485
Economic Joint Committee.....	17562
House of Representatives.....	17565
Agriculture Committee.....	17583
Armed Services Committee.....	17590
Banking and Currency Committee.....	17594
District of Columbia Committee.....	17596
Education and Labor Committee.....	17599
Government Operations Committee.....	17602
Interior and Insular Affairs Committee.....	17604
Interstate and Foreign Commerce Committee.....	17605
Judiciary Committee.....	17606
Post Office and Civil Service Committee.....	17607
Public Works Committee.....	17611
Science and Astronautics Committee.....	17612
Veterans' Affairs Committee.....	17613
Ways and Means Committee.....	17614

	Beginning Entry
Congress—Continued	
Senate	17615
Aging, Special Committee on	17633
Agriculture and Forestry Committee	17634
Appropriations Committee	17635
Armed Services Committee	17638
Banking and Currency Committee	17641
Commerce Committee	17645
Foreign Relations Committee	17650
Government Operations Committee	17654
Interior and Insular Affairs Committee	17656
Judiciary Committee	17658
Labor and Public Welfare Committee	17663
Post Office and Civil Service Committee	17671
Public Works Committee	17673
Small Business, Select Committee on	17677
Court of Claims	17686
Defense Department	17687
Air Force Department	17338
Armed Forces Information and Education	17367
Army Department	17372
Civil Defense Office	17450
Engineers Corps	17730
Military Academy, West Point	17910
Joint Chiefs of Staff	17858
Navy Department	
Marine Corps	17904
Naval Facilities Engineering Command	18095
Naval Operations Office	18103
Naval Oceanographic Office	18096
Naval Personnel Bureau	18104
Naval Research Office	18109
Federal Communications Commission	17750
Federal Council for Science and Technology	17752
Federal Home Loan Bank Board	17755
Federal Power Commission	17758
Federal Radiation Council	17761
Federal Reserve System Board of Governors	17762
General Accounting Office	17810
General Services Administration	17816
Federal Supply Service	17763
National Archives and Records Service	18060
Government Printing Office	
Public Documents Division	18149
Health, Education, and Welfare Department	
Education Office	17715
Food and Drug Administration	17790
Public Health Service	18152
Social and Rehabilitation Service	18205
Children's Bureau	17444
Rehabilitation Services Administration	18196
Social Security Administration	18206
Federal Credit Unions Bureau	17754

Health, Education, and Welfare Department—Continued	
Vocational Rehabilitation Administration, <i>see</i> , above, Social and Rehabilitation Services Administration.	
Housing and Urban Development Department.....	17835
Federal Housing Administration.....	17757
Interior Department.....	17845
Federal Water Pollution Control Administration.....	17765
Fish and Wildlife Service.....	17769
Geological Survey.....	17817
Land Management Bureau.....	17902
Mines Bureau.....	17911
National Park Service.....	18090
Outdoor Recreation Bureau.....	18116
Reclamation Bureau.....	18195
Territories Office.....	18240
Interstate Commerce Commission.....	17857
Joint Publications Research Service.....	17859-1
Justice Department.....	17883
Immigration and Naturalization Service.....	17844
Prisons Bureau.....	18148
Labor Department.....	17884
Labor Standards Bureau.....	17887
Labor Statistics Bureau.....	17890
Manpower Administration	
Employment Security Bureau.....	17727
Wage and Hour and Public Contracts Divisions.....	18251
Women's Bureau.....	18255
Library of Congress.....	17903
Copyright Office.....	17682
National Aeronautics and Space Administration.....	17919
National Labor Relations Board.....	18088
Post Office Department.....	18135
President of United States.....	18140
Executive Office of the President	
Economic Opportunity Office.....	17709
National Council on Marine Resources and Engineering Development	18085
Special Representative for Trade Negotiations, Office of.....	18218
Renegotiation Board.....	18197
Small Business Administration.....	18201
Smithsonian Institution.....	18203
National Collection of Fine Arts.....	18084
National Museum.....	18089
State Department.....	18221
International Development Agency.....	17855
Tariff Commission.....	18236
Tennessee Valley Authority.....	18239

	Beginning Entry
Transportation Department	
Coast Guard	17468
Federal Aviation Administration	17740
Air Traffic Service	17365
Aviation Medicine Office	17410
Flight Standards Service	17789
Federal Highway Administration	
Motor Carrier Safety Bureau	17917
National Highway Safety Bureau	18086
Public Road Bureau	18192
National Transportation Safety Board	18092
Treasury Department	18241
Internal Revenue Service	17851
Narcotics Bureau	17918
Veterans Administration	18246

Monthly Catalog

NO. 875 • DECEMBER 1967

AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, DC 20250

ARS (series). † A 77.15: (nos.)

- 17299 44-193. DHIA sire summary list, May 1967. Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, and Red Dane sires. Sept. 1967. cover title, 66 p. il. 4° [Text on p. 2 of cover.] • Item 25-B
- 17300 51-14. Degreening response of color-sorted Florida oranges [preliminary report, with list of literature cited; by Otto L. Jahn, Gilbert E. Yost, and James Soule], Oct. 1967. 14 p. 4° [Prepared in cooperation with Florida Agricultural Experiment Station.] L.C. card Agr 67-399

[Correspondence aid] CA (series).

- 17301 51-1. Sprout prevention in potatoes; by Howard W. Hrnshka. Oct. 1967. 3 p. 4° † A 77.18: 51-1
- 17302 [Plant quarantine import requirements of Australia], Entry requirements for orchid plants. Nov. 1, 1967. 1 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes Change dated June 12, 1967.] † A 77.329: Au 78/963/ch.-2
- 17303 Plant quarantine import requirements of Fiji. Oct. 26, 1967. 5 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes summary dated Dec. 14, 1962.] † A 77.329: F 47/967

AGRICULTURE DEPARTMENT Washington, DC 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

Agriculture handbooks. • Item 3 A 1.76: (nos.)

- 17304 344. Worldwide use of airphotos in agriculture [with list of references; by Henry W. Dill, jr.], [Sept. 1967.] iv+23 p. il. 4° (Economic Research Service.) • Paper, 25c. L.C. card Agr 67-378
- 17305 347. Age of transition, rural youth in a changing society [with list of references; prepared by Helen W. Johnson]. [Oct. 1967.] cover title, 92 p. il. oblong 12° (Economic Research Service.) • Paper, 75c. L.C. card Agr 67-374
- 17306 348. Handbook of agricultural charts, 1967. [Oct. 1967.] cover title, 151 p. il. Economic Research, Statistical Reporting, Agricultural Research, Foreign Agricultural Services.) • Paper, 45c. L.C. card 64-62697

Agriculture information bulletins. • Item 4 A 1.75: (nos.)

- 17307 237. Controlling insects on flowers; [by Floyd F. Smith]. [Revised 1967.] [1967.] cover title, ii+81 p. il. ([Entomology Research Division, Agricultural Research Service.]) [Illustrations on covers are colored.] • Paper, 45c. L.C. card Agr 67-395
- 17308 329. Balance sheet of agriculture; [prepared by Philip T. Allen and others]. [Oct. 1967.] [1]+ii+36 p. il. 4° (Economic Research Service.) • Paper, 30c. L.C. card Agr 45-296

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

Page 1

GOVERNMENT PUBLICATIONS

Farmers' bulletins. • Item 9

A 1.9:(nos.)

- 17309 1043. Strawberry varieties in United States; [by George M. Darrow and D. H. Scott]. [Revised Oct. 1967.] [1967.] 16 p. il. ([Crops Research Division, Agricultural Research Service.]) * Paper, 10c.
L.C. card Agr 67-383
- 17310 1869. Foundations for farm buildings; [prepared by Agricultural Engineering Research Division, Agricultural Research Service]. [Slightly revised Oct. 1967.] [1967.] 32 p. il. * Paper, 15c.
L.C. card Agr 67-380
- 17311 2162. Your farm rent determination problem; [by Marshall Harris and Virgil Hurlburt]. [June 1961, slightly revised Oct. 1967.] [1967.] 24 p. ([Natural Resource Economic Division, Economic Research Service.]) * Paper, 15c.
- 17312 2192. Hog-lot equipment; [by J. H. Zeller, T. E. Bond, and G. M. Petersen]. [July, 1963, slightly revised Oct. 1967.] [1967.] 20 p. il. ([Animal Husbandry Research Division and Agricultural Engineering Research Division, Agricultural Research Service.]) [Prepared in cooperation with Nebraska Agricultural Experiment Station. Supersedes Farmers' bulletin 1490.] * Paper, 15c.

Home and garden bulletins. • Item 11

A 1.77:(nos.)

- 17313 40. Freezing combination main dishes. [July 1954, slightly revised Oct. 1967.] [1967.] 20 p. il. narrow 8° ([Human Nutrition Research Division, Agricultural Research Service.]) * Paper, 10c.
- 17314 59. Simplified clothing construction. [Mar. 1959, slightly revised Oct. 1967.] [1967.] 32 p. il. 4° ([Agricultural Research Service.]) [Supersedes Farmers' bulletin 1954, Making a dress at home. Includes name of publication providing further information.] * Paper 25c.
L.C. Card Agr 67-326
- 17315 69. Home care of purchased frozen foods; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [Aug. 1960, slightly revised Sept. 1967.] [1967.] [2]+6 p. il. [Includes list of Agriculture Department publications that contain information on home frozen foods.] * Paper, 5c.
L.C. card Agr 67-388
- 17316 73. Wood decay in houses, how to prevent and control it; [prepared by Forest Service]. [Oct. 1960, slightly revised Sept. 1967.] [1967.] [2]+17 p. il. [Supersedes Farmers' bulletin 1993, Decay and termite damages in houses.] * Paper, 15c.
- 17317 97. Sanitation in home laundering; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Apr. 1964, revised Sept. 1967.] [1967.] 8 p. il. * Paper, 5c.
- 17318 98. Guide to budgeting for young couple; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Aug. 1964, slightly revised Oct. 1967.] [1967.] [16] p. il. [Includes list of publications prepared by Agriculture Department that may be helpful in getting most for your money.] * Paper, 10c.
- 17319 124. Lamb in family meals, guide for consumers; [prepared by Human Nutrition Division, Agricultural Research Service]. [Oct. 1967.] [11]+22 p. il. * Paper, 15c.
L.C. card Agr 67-372

Leaflets. • Item 12

A 1.35:(nos.)

- 17320 406. Apple bitter rot; [prepared by Crops Research Division, Agricultural Research Service]. [Revised Sept. 1967.] [1967.] 5 p. il. narrow 8° * Paper, 5c.
- 17321 432. Where and how to get a farm, some questions and answers [with list of publications for further information; prepared by Farm Production Economics Division, Economic Research Service]. [Revised Oct. 1967.] [1967.] 8 p. il. [Supersedes Leaflet 299, Some questions and answers on where and how to get a farm.] †

Marketing research report.

- 17322 805. Consumer response to various levels of advertising for fluid milk; [by Wedell E. Clement and Peter L. Henderson]. [Oct. 1967.] [iv]+12 p. il. 4° (Economic Research Service.) * Paper, 15c. • Item 13-B
L.C. card Agr 67-393

A 1.82: 805

Miscellaneous publications. • Item 13-A

A 1.38:(nos.)

- 17323 798. Scientific careers in Agricultural Research Service; [prepared by Personnel Division, Agricultural Research Service]. [Revised Sept. 1967.] [1967.] cover title, 36 p. il. oblong 12° [Text on p. 2 and 3 of cover.] * Paper, 35c.
L.C. card Agr 67-381
- 17324 1063. Fact book of U.S. agriculture. [Revised Sept. 1967.] [1967.] cover title, [11]+76 p. il. ([Special Reports Division], Office of Information.) [Text on p. 2 of cover.] * Paper, 30c.
L.C. card 63-61826

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17325 **Outdoors USA** [yearbook of agriculture 1967; Jack Hayes, editor]. [1967.] xxxix+408 p. il. [Illustrated lining papers attached to front and back covers. Yearbook is made up of signed articles. Also issued as H. doc. 29, 90th Cong., 1st sess.] * Cloth, \$2.75. ● Item 17
L.C. card Agr 67-359 A 1.10:967

PA [Program aid] (series). ● Item 14-A A 1.68:(nos.)

- 17326 814. Zoning, aid to community resource development [with list of selected references; by E. C. Weltzell]. [Oct. 1967.] 15 p. il. 4° (Federal Extension Service.) * Paper, 15c.
L.C. card Agr 67-396
- 17327 818. Soil Conservation Service [activities]. Sept. 1967. [8] p. il. narrow 8° †
- 17328 819. This is Cooperative Extension. [Aug. 1967.] [8] p. il. narrow 8° (Federal Extension Service.) †
- 17329 821. Land exchange in national forest system. [Sept. 1967.] [12] p. il. narrow 8° (Forest Service.) †
- 17330 823. Retailers, encourage your low-income customers to take part in food stamp program. [Oct. 1967.] [4] p. il. narrow 8° (Consumer and Marketing Service.) †

Picture stories. † A 1.100:(nos.)

- 17331 201. In race between hunger and hope, hunger is ahead. Oct. 1967. 6 p. il. 4° (International Agricultural Development Service.)
- 17332 203. To grow the 2d blade of grass. Oct. 1967. [8] p. il. 4° (International Agricultural Development Service.)

Statistical bulletin.

- 17333 410. Feed statistics through 1966, feed grains, processed feeds, feeds, hay and other forages; prepared by Jack S. Ross, Dorothy L. Bailey, and Pauline Koslisky. Sept. 1967. cover title, 112 p. 4° ([Feed Section, Commodity Analysis Branch, Economic and Statistical Analysis Division] Economic Research Service.) [Preface on p. 2 of cover.] * Paper, 55c. ● Item 15
A 1.34:410

Technical bulletins. ● Item 16 A 1.36:(nos.)

- 17334 1373. *Crotalaria* seed morphology, anatomy, and identification [with list of references]; by Robert H. Miller. Sept. 1967. ii+73 p. il. (Agricultural Research Service.) [Text on p. 2 of cover.] * Paper, 35c.
L.C. card Agr 67-373
- 17335 1376. Development of method for testing and rating refrigerated truck bodies [with list of literature cited; by C. W. Phillips and R. W. Penney]. [Sept. 1967.] iv+36 p. il. (Agriculture Research Service.) [Prepared in cooperation with National Bureau of Standards, Commerce Dept.] * Paper, 15c.
L.C. card Agr 67-385
- 17336 1381. Polyperiod analysis of growth and capital accumulation of farms in rolling plains of Oklahoma and Texas [with list of selected references; by J. Rod Martin and James S. Plaxco]. [Sept. 1967.] cover title, x+104 p. il. (Economic Research Service.) [Prepared in cooperation with Agricultural Experiment Stations of Oklahoma and Texas.] †
L.C. card Agr 67-377

- 17337 Telephone directory, Department of Agriculture; issued by Office of Plant and Operations. Oct. 1967. cover title, 3-139 p. [Text on p. 2-4 of cover.] * Paper, 35c. A 1.89:967

AIR FORCE DEPARTMENT, Defense Dept. Washington, DC 20330

Air Force pamphlet AFP (series).

- 17338 71-8. See Defense Department, Defense Supply Agency manual DSAM 4145.7.

Air Weather Service: Technical report.

- 17339 200. Notes on analysis and severe-storm forecasting procedures of Military Weather Warning Center [with bibliography and references]; by Robert C. Miller. July 1967. cover title, viii+[149] p. il. 4° [List of parameter symbols used in figures of this report on inside back cover. Issued in loose-leaf form.] † D 301.40:200

- 17340 Long-range forecasting and planning, symposium held at U.S. Air Force Academy, Colo., Aug. 16-17, 1966 [with bibliographies]. [1967.] x+200+[2] p. il. 1 pl. 4° (Office of Aerospace Research.) Φ Paper, \$3.00.
● Item 422-B
L.C. card 67-62963 D 301.69/5: F 76

4For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
● Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Lunar farside chart. [Prepared for National Aeronautics and Space Administration.]

- 17341 LFC-1. Scale 1:5,000,000 at 30° N-S. 2d edition Oct. 1967. Aeronautical Chart and Information Center [1967]. 27 x 42 in. [Mercator projection. Polar regions on reverse.] * Paper, 50c. D 301.49/4: LFC-1/967-2

OAR (series). (Office of Aerospace Research.)

- 17342 67-8. OAR index of research results, 1965-66 [with bibliography]. [1967.] xi+557+[2] p. 4° * Paper, \$3.00. * Item 422-B D 301.69/3: 67-8
L.C. card 64-61584

Personnel Research Laboratory: Technical report PRL-TR (series). (Aerospace Medical Division, Air Force Systems Command, Lackland Air Force Base, Tex.) ‡ D 301.45/27: (nos.)

- 17343 66-18. Predicting 1st year achievement of Air Force Academy cadets, class of 1967 [with list of references]; by Robert E. Miller, Nov. 1966. vi+20+[2] p. 4° ([Project 7717, task 771706.])
17344 67-2. Attempt to predict automobile accidents among Air Force personnel [with one reference]; by Cecil J. Mullins, July 1967. v+5+[2] p. 4° ([Project 7719, task 771906.])
17345 67-4. Prediction of success in instructional programmer school [with one reference]; by Cecil J. Mullins, Aug. 1967. v+7+[2] p. 4° ([Project 7719, task 771906.])

School of Aerospace Medicine: Technical report SAM TR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.) D 301.26/13-6: (nos.)

- 17346 66-240. Agar concentration in counting Clostridium colonies [with list of literature cited; by] Charles Eller et al. Jan. 1967. cover title, 55-57+[2] p. ll. 4° ([Task 775702.]) [Presented at annual meeting of American Society for Microbiology, Los Angeles, Calif., May 1-5, 1966. Reprinted from Applied microbiology, Jan. 1967, v. 15, no. 1. Copyright 1967, American Society for Microbiology.] ‡
17347 66-260. Gamma radiation LD 50(30) for rabbit [with list of references; by] William H. Pryor, William G. Glenn, Kenneth A. Hardy, Mar. 1967. cover title, 483-487+[2] p. 4° ([Project 7753, task 775301.]) [Reprinted from Radiation research, v. 30, no. 3, Mar. 1967. Copyright 1967 by Academic Press Inc.] ‡
17348 66-268. Aortic insufficiency in flying personnel [with list of references; by] Lawrence J. Enders, June 1967. cover title, 623-628+[2] p. ll. 4° [Reprinted from Aerospace medicine, v. 38, no. 6, June 1967.] ‡
17349 67-41. F-106B aircraft flashblindness experiment [with list of references; by] Albert V. Alder, James E. Hamilton, July 1967. ([Projects 6301, 5710; tasks 630103, 571003.003.]) cover title, iii+7+[2] p. ll. 4° * Paper, \$3.00.
17350 67-49. Patients' view of patient care during aeromedical evacuation; [by] George K. Cantrell, I. O. McKinney, Bryce O. Hartman, July 1967. cover title, iii+24+[2] p. 4° ([Task 799602.]) ‡
17351 67-51. Factors affecting efficiency of chemically defined diet [with list of references; by] Yuoh Ku, July 1967. cover title, iii+21+[2] p. ll. 4° [Prepared by Monsanto Research Corporation, Boston Laboratory, Everett, Mass., under contract AF 41(609)-2980, and task 775803.] ‡
17352 67-52. Feasibility study of use of stannous fluoride mouthwash in school preventive dentistry program [with list of references; by] George Swerdloff, Ira L. Shannon, June 1967. cover title, iii+10+[2] p. 4° ([Project 7753; task 775303.]) ‡
17353 67-53. Development of encasement for emergency dental kit for use on space missions; [by] W. E. Rothe, Jack L. Hartley, June 1967. cover title, iii+10+[2] p. ll. 4° ([Contract AF41(609) 2724; task 775303.]) * Paper, \$3.00.
17354 67-54. Improved electrochemical carbon dioxide sensor [with list of references; by] Robert J. Reyes, Charles F. Martin, J. Ryan Neville, July 1967. cover title, iii+10+[2] p. ll. 4° ([Task 775802.]) [Corrections, 1 p. oblong 24°, issued also.] ‡
17355 67-55. MOL predicting 4-hour levels of psychomotor performance from initial half hour; [by] Bryce O. Hartman, June 1967. cover title, iii+9+[2] p. 4° ([Task 793003.]) * Paper, \$3.00.
17356 67-56. Hearing of flying personnel, 1962-65 [with list of references; by] Harrell C. Sutherland, jr. James E. Endicott, Frederick G. Collins, June 1967. cover title, iii+15+[2] p. ll. 4° ([Task 775508.]) ‡
17357 67-57. Thermography of human dentition [with chronologic bibliography; by] Jack L. Hartley, Daniel F. Stanhill, Bernard D. Bakun, July 1967. cover title, v+38+[2] p. ll. 4° [Prepared by Barnes Engineering Company, Stamford, Conn., under contract AF 41(609)-3025 and task 799601.] ‡
17358 67-58. Laboratory control of anticoagulation therapy, quality control in coagulation procedures in 1-stage prothrombin time [with list of references; by] Jarrell D. Bairrington, Emil W. Peterson, June 1967. cover title, iii+9+[2] p. ll. 4° ([Task 775301.]) ‡

*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17359 67-60. Dizziness and vertigo in aviators [with list of references; by] William L. Mitchell, Morgan E. Wing, Frederick G. Collins. July 1967. cover title, iii+11+[2] p. il. 4° ([Task 775508.]) ‡
- 17360 67-63. Temperature-sensing telemetry system for unrestrained rhesus monkeys (*Macaca mulatta*) [with list of references; by] Henry Buchanan et al. July 1967. cover title, iii+11+[2] p. il. 4° ([Project 7930.]) Φ Paper, \$3.00.
- 17361 67-64. Effects of monomethylhydrazine on coagulation mechanism [with list of references; by] Jarrell D. Bairrington. July 1967. cover title, iii+4+[2] p. 4° ([Project 7753, task 775301.]) ‡
- 17362 67-66. Photoactivation of smooth muscle with ruby laser [with list of references; by] Donald E. Rounds, Robert S. Olson. Aug. 1967. cover title, iii+6+[2] p. il. 4° [Prepared in Laser Biology Laboratory, Pasadena Institute for Medical Research, Pasadena, Calif., under contract F41609-67-C-0022 and task 775301.] ‡
- 17363 67-95. Acclimatization versus tolerance to stress, annotated bibliography: v. 1, [Acclimatization and chronic hypoxia; by] J. T. Celentano, H. B. Kelly, Jr., W. I. Lilley. Sept. 1967. cover title, vi+553+[2] p. 4° [Compiled by Life Sciences Department, Space and Information Systems Division, North American Aviation, Inc., Downey, Calif. under task 793002 and contract AF 41(609)-2335.] ‡
- 17364 United States Air Force Systems Command. [1967.] cover title, [32] p. il. oblong 12° [Text on p. 2 and 3 of cover.] ‡ ● Item 422-B
D 301.45: A1 7/2

AIR TRAFFIC SERVICE, Transportation Dept. Washington, DC 20553

- 17365 International flight information manual, v. 15, Apr. 1967, amdt. 2; Oct. 1967. [1967.] [67] p. 4° (Flight Information Division, National Flight Data Center (AT-430.)) [Issued in looseleaf form.] * Paper, \$1.25 (including basic manual and supplementary service for 1 year); 25c. additional for foreign mailing. ● Item 431-C-18 TD 4309:15/amdt.2

AMERICAN BATTLE MONUMENTS COMMISSION Washington, DC 20421

- 17366 Manila American Cemetery and Memorial. 1967. 44 p. il. ‡ ● Item 1050
Y 3.Am 3: M 31/967

ARMED FORCES INFORMATION AND EDUCATION, Defense Dept. Washington, DC 20301

DOD [pamphlets]. ‡ ● Item 312-A D 2.14: AO-(nos.)

- 17367 AO-36. Capsule facts for Armed Forces; Austria. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 17368 AO-37. Same; Jamaica. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 17369 AO-44. Same; New Zealand. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]
- 17370 AO-45. Same; Nepal. Aug. 1967. 4 p. il. 4° [Adapted from Department of State Background notes series.]

ARMS CONTROL AND DISARMAMENT AGENCY Washington, DC 20451

- 17371 Defense systems resources in civil sector, evolving approach, uncertain market [with selected bibliography]; prepared by John S. Gilmore, John J. Ryan, and William S. Gould, University of Denver Research Institute. July 1967. x+201 p.+[6] leaves, il. 4° (Contract ACDA/E-103.) * Paper, \$1.00. ● Item 125-A-3
L.C. card 67-62936 AC 1.2: D 36/2

ARMY DEPARTMENT, Defense Dept. Washington, DC 20310

AMC pamphlet. (Army Materiel Command.)

- 17372 335-1. Reports, register of approved recurring reports. Sept. 1967. cover title, v+188 p. 4° [Quarterly. Issued with perforations. Supersedes AMCP 335-1, June 30, 1967.] ‡ ● Item 322-A D 101.22/3: 335-1/11

ΦFor Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 5

GOVERNMENT PUBLICATIONS

Army regulations AR (series).

17373 708-14. See Defense Department, Cataloging manual M 1-4.

Cold Regions Research & Engineering Laboratory, Hanover, H. N.: Research reports. (Army Material Command.) D 103.33/3:(nos.)

- 17374 139. Measurement of natural particulate fallout onto high polar ice sheets: pt. 2, Antarctic and Greenland cores [with list of literature cited]; by Wayne L. Hamilton, Mar. 1967. iv+39+[2] p. il. 4° ([DA task 1V014501B52A02.])
 17375 231. Study of hexagonal and cubic ice at low temperatures [with list of literature cited]; by Motoi Kumai, July 1967. iv+17+[2] p. il. 4° (DA task 1V014501B52A02.) ‡ Paper, \$3.00.
 17376 234. Analytical and experimental study of melting problem with natural convection [with list of literature cited]; by Ym-Chao Yen, July 1967. v+8+[2] p. il. 4° (DA task 1V014501B52A02.) ‡

Technical reports. (Army Materiel Command.) D 103.33:(nos.)

- 17377 194. Heat transfer and performance analysis of thermal probe for glaciers [with list of literature cited]; by Haldor W. C. Aamot, Sept. 1967. iv+12+[2] p. il. 4° (DA task 1L013001A91A04.) ‡
 17378 199. Geology of USA CRREL permafrost tunnel, Fairbanks, Alaska [with list of literature cited]; by Paul V. Sellmann, July 1967. iv+22+[2] p. il. 4° (DA task 1V025001A13001.) ‡ Paper, \$3.00.
 17379 206. Preparation of low density sulfur foam; by John M. Dale and Allen C. Ludwig, Sept. 1967. iv+14+[2] p. il. 4° (Southwest Research Institute: contract DA-27-021-AMC34(X), DA task 1V025001A13001.) ‡

Pamphlets. ● Item 327

D 101.22:(nos.)

- 17380 55-5. Transportation and travel: Worldwide cargo transportation costs guide. Oct. 1967. cover title, ii+[155] p. 4° [Issued in looseleaf form. Supersedes DA Pam 55-5, Feb. 26, 1965, including Changes 1 through 5, May 17, 1965-July 28, 1966.] ‡
 17381 360-231. Troop topics: Enlisted evaluation system, Sept. 1, 1967. cover title, [16] p. il. 4° [Text on p. 2 and 3 of cover.] ‡
 17382 600-12. Digest of military personnel policies, Sept. 1967. cover title, xiii+[138] p. 4° [Issued with perforations.] ‡
 17383 608-3. Educational scholarships, loans, and financial aids [for dependents of Army personnel, with list of publications], Sept. 1967. cover title, v+58 p. 4° ‡
 L.C. card 67-62940
 17384 608-7. Helpful hints for personnel ordered to Puerto Rico, U.S. Army Forces, Southern Command, Aug. 1967. cover title, 23 p. small 4° [Supersedes DA Pam 608-7, Aug. 15, 1963.] ‡

ROTC manual.

- 17385 145-4-1. Junior ROTC manual, v. 1 [with list of references], Sept. 1967. cover title, 345 p. il. [Supersedes ROTCM 145-4-1, June 7, 1962, and ROTCM 145-4-3, Oct. 18, 1955, including Errata sheet, Dec. 20, 1955.] ‡ ● Item 327-D
 L.C. card 57-61987 D 101.48:145-4-1

Technical manual TM (series).

- 17386 38-236. See Defense Department, Defense Supply Agency manual DSAM 4145.7.
 17387 55-601. Troop movement guide [with list of references], Aug. 1967. cover title, 207 p. il. 4° [Issued with perforations. Supersedes TM 55-601, Mar. 9, 1965 and rescinds DA Form 2939-R, Mar. 1, 1965.] ‡
 ● Item 329 D.101.11:55-601/2

USAAVLABS technical reports. (Army Aviation Materiel Laboratories, Fort Eustis, Va.) ‡ D 117.8/2:(nos.)

- 17388 67-17. Aircraft passenger-seat-system response to impulsive loads [with bibliography]; by James W. Turnbow [and others], Aug. 1967. [1]+xxii+291+[2] p. il. 4° (Task 1A024701A12101, contract DA 44-177-AMC-360(T), AvSer 66-20.) [Prepared by Arizona State University, Tempe, Ariz., and Aviation Safety Engineering and Research, Phoenix, Ariz., a division of Flight Safety Foundation, Inc.]
 17389 67-36. Evaluation of laminated elastomeric bearings in UH-1 helicopter tail rotor [with list of references]; by C. H. Fagan, July 1967. [1]+x+72+[2] p. il. 4° (Task 1M121401D14414, contract DA 44-177-AMC-313(T); BHC report 572-099-004.) [Prepared by Bell Helicopter Company, a division of Bell Aerospace Corporation, Ft. Worth, Tex.]

ATOMIC ENERGY COMMISSION Washington, DC 20545

AEC research and development reports. Y 3.At 7 22/(letters-nos.)

- 17390 AEC-tr-6893. Thermal distillation of sea water, fundamentals of theory of marine evaporators [with bibliography]; by V. F. Kovalenko, Sept. 1967. cover title, [2]+a-c+230 p. il. 4° (Translation series.) [Translated from publication of Transport Publishing House, Moscow, 1966.] ‡ Paper, \$3.00.

*For Sale by Superintendent of Documents
 ‡Distribution Made by Issuing Office
 †Official Use. Not Available

DECEMBER 1967

- 17391 GECR-5155. Feasibility study of boiling water reactor nuclear steam supply systems with capacities up to 10,000 MWt, final report; by R. W. Lockhart. Feb. 1967, cover title, ix+[124] p. il. 4° (Advanced Products Operation, General Electric Company, Sunnyvale, Calif.) [Prepared for Union Carbide Corporation, Nuclear Division, under subcontract 2606, to USAEC contract W-7405-eng. 26.] Φ Paper, \$3.00.
- 17392 ID-12060. Experimental observations in thermoluminescent dosimetry at National Reactor Testing Station [with list of references, by] John P. Cushman, physicist, Dosimetry Branch, Health and Safety Laboratory, Mar. 1967, [3]+9+[1] p. il. 4° (Idaho Operations Office, Idaho Falls, Idaho.) [Presented at 11th annual meeting of Pacific Northwest section of AIHA under joint sponsorship with Eastern Idaho Safety Engineers and Eastern Idaho chapter of Health Physics Society in Idaho Falls, Idaho, Aug. 26-27, 1966.] Φ Paper, \$3.00.
- 17393 IS-1611 (add.). Bibliography of 1966 mass spectroscopy literature compiled by computer method; by J. Capellen, H. J. Svec, C. R. Sage, July 1967, [2]+xiv p. 4° (Ames Laboratory, Iowa State University, Ames, Iowa; [contract W-7405 eng-52].) \dagger
- 17394 PNE-505F. Plowshare, civil, industrial, and scientific uses for nuclear explosives, Project Pre-Schooner, Nevada Test Site, Feb. 1964, final report: Geologic and engineering properties, investigations [with list of references; by] R. J. Lutton, F. E. Cirucky, R. W. Hunt, Apr. 1967, cover title, 212+[2] p. il. 4° ([Army Engineer] Nuclear Cratering Group.) [Report of studies conducted by Army Engineer Waterways Experiment Station, Nuclear Cratering Group, and private contractors.] Φ Paper, \$3.00.
- 17395 PNE-510F. Same: Project Pre-Schooner II, Bruneau Plateau, Idaho, Sept. 30, 1965: Design, construction, and postshot evaluation of concrete stem for access hole [with list of references; by] Kenneth L. Saucier, F. S. Stewart, Aug. 1967, cover title, 33 p. il. 4° (Army Engineer Nuclear Cratering Group, Livermore, Calif.) [Report of study conducted by Army Engineer Waterways Experiment Station.] Φ Paper, \$3.00.
- 17396 PNE-1106. Same: Project Pre-Gondola I, Fort Peck Reservoir, Mont.: Structures instrumentation [with list of references; by] Robert F. Ballard, Jr. Aug. 1967, cover title, [2]+1+54+[24] p. il. 1 pl. 4° (Army Engineer Nuclear Cratering Group, Livermore, Calif.) [Report of study conducted by Army Engineering Waterways Experiment Station.] Φ Paper, \$3.00.
- 17397 PNE-1110. Same: Project Pre-Gondola I, Fort Peck Reservoir, Mont., [final report]: Lidar observations of Pre-Gondola I clouds [with list of references; by] John W. Oblanas, Ronald T. H. Collins, Stanford Research Institute, July 1967, cover title, [1]+85 p. il. 4° (Army Engineer Nuclear Cratering Group, Livermore, Calif.; [contract AT(04-3)-115, project agreement 66, SRI project 6268.] Φ Paper, \$3.00.
- 17398 PNE-5009. Same: [Engineering properties of nuclear craters, report 4], Formation and initial stability of slopes on cohesionless materials [with list of literature cited; by] B. N. MacIver, Aug. 1967, cover title, xv+59+[52] p. il. 4° (Army Engineer Nuclear Cratering Group, Livermore, Calif.) [Report of study conducted by Army Engineer Waterways Experiment Station.] \dagger
- 17399 SAN-679-3. Design study, electrical component technology for 0.25 to 10.0 megawatt space power systems, quarterly technical progress report 3 [with list of references]; edited by A. E. King, May 31, 1967, cover title, vi+93 p. il. 4° (Aerospace Electrical Division, Westinghouse Electric Corporation, Lima, Ohio; [contract AT(04-3)-679].) Φ Paper, \$3.00.
- 17400 TID-23740. Intercomparison of reliability of body 137cs measurements on human beings [with lists of references]; by Constantine J. Maletskos [and others], June 6, 1967, vii+102 p. il. 4° (Division of Biology and Medicine.) Φ Paper, \$3.00.
- 17401 Education and change in scientific age, remarks of Glenn T. Seaborg, chairman, Atomic Energy Commission, at dedication of John G. Best Hall of Science, Tri-State College, Angola, Ind., Oct. 22, 1967, 10 p. 4° (S-39-67.) \dagger Y 3.At 7: 34Se 1/151
- 17402 Engineers and their education in changing society, remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, at National Electronics Conference, Chicago, Ill., Oct. 23, 1967, 1967, 9 p. 4° (S-40-67.) \dagger Y 3.At 7: 34Se 1/152
- 17403 1967 financial report. [1967.] vi+50 p. il. 4° (Office of Controller.) * Paper, 50c. \bullet Item 1051-M L.C. card 58-60169 Y 3.At 7: 39/967

GOVERNMENT PUBLICATIONS

- 17404 Future outlook for applications of nuclear science, remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, at symposium in celebration of Maria Sklodowska-Curie Centenary, Warsaw, Poland, Oct. 19, 1967. [1967.] 23 p. 4° (S-38-67.) † Y 3At 7: 34Se 1/150
- 17405 How to get license to use radioisotopes. July 1967. v+35 p. 4° (Division of Materials Licensing.) [Includes list of publications on radioisotopes.] * Paper, 30c. ● Item 1051-F Y 3At 7: 6-3R 11/5
- 17406 Nuclear industry [report], 1967. [1967.] cover title, ix+184 p. il. 4° (Division of Industrial Participation.) [Prepared for delivery to Atomic Industrial Forum's annual conference, Chicago, Ill., Nov. 6, 1967.] * Paper, \$1.00. ● Item 1051-O Y 3At 7: 56/967
L.C. card 65-60723
- 17407 Remarks by Wilfrid E. Johnson, commissioner, Atomic Energy Commission, at dedication of Radiation Center, Oregon State University, Corvallis, Oreg., Oct. 26, 1967. 1967. 5 p. 4° (S-41-67.) † Y 3At 7: 34J 639/6
Understanding the atom series. (Division of Technical Information.)
- 17408 Chemistry of noble gases; [with list of suggested references; by Cedric L. Chernick]. [Sept. 1967.] cover title, [21]+48 p. il. [Text on p. 2-3 of cover.] † Atomic Energy Commission, P.O. Box 62, Oak Ridge, TN 37830. Y 3At7: 54N 66
Y 3At7: 54/ind./967
- 17409 Index to Understanding the atom series. [Sept. 1967.] cover title, [3]+10 p. † L.C. card 67-62962

AVIATION MEDICINE OFFICE, Transportation Dept. Washington, DC 20553

Aviation medical report AM (series).

TD 4.210:(nos.)

- 17410 66-11. Problems in aerial application: I.-V. [with lists of references; by L. B. Hinshaw [and others]. June 1966. [4]+47+[2] p. il. 4° [April 1966 appears on cover.] † Paper, \$3.00.
- 17411 67-8. Diagnostic tests of color defective vision, annotated bibliography, 1956-66; [by] Mark F. Lewis, Faye K. Ashby, May 1967. [5]+10+[1] p. 4° † Paper, \$3.00.
- 17412 67-9. Performance characteristics of constant-flow phase dilution oxygen mask designs for general aviation [with list of references; by] Ernest B. McFadden, Hiley F. Harrison, James M. Simpson. May 1967. [4]+12+[2] p. il. 4° † Paper, \$3.00.
- 17413 67-13. Functional comparison of basic restraint systems; [by] Joseph W. Young. June 1967. [4]+16+[1] p. il. 4° † Paper, \$3.00.
- 17414 67-14. Evaluation of potential decompression hazards in small pressurized aircraft [with list of references; by] John J. Swearingen. June 1967. [4]+10+[1] p. il. 4° † Paper, \$3.00.

BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce Dept., Washington, DC 20230

- 17415 Electric current abroad; [compiled by Power and Electrical Equipment Division, Office of Scientific and Technical Equipment]. 1967 edition. [July 1967.] [2]+81 p. * Paper, 30c. ● Item 215 C 41.2: E1 2/12/967
L.C. card 59-60738
- 17416 Major programs providing Federal funds for employment and training. Revised Oct. 1967. [1967.] 16 p. il. oblong 24° * Paper, 15c. ● Item 215 C 41.2: Em 7/967
L.C. card 67-62967
- 17417 Regional construction requirements for water and wastewater facilities 1955-80 [with bibliography; prepared by K. L. Kollar and August F. Volonte]. Oct. 1967. 14+[21] p. il. 4° * Paper, 25c. ● Item 215 C 41.2: W29/13
L.C. card 67-62921

CENSUS BUREAU, Commerce Dept. Suitland, MD 20233

Annual survey of manufactures, 1964, M64(AS) (series). (Industry Division.)

- 17418 6. Book value of fixed assets and rental payments for building and equipment. [Oct. 1967.] cover title, [1]+25 p. 4° [Preprint of chapter in Annual survey of manufactures, 1964 and 1965 volume. Series notation on cover reads M65(AS)-6.] † Paper, 10c. ● Item 134-A C 3.24/9: M64(AS)-6

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

Annual survey of manufactures, 1965, M65(AS) (series). (Industry Division.) ● Item 134-A C 3.24/9: M65(AS)-(nos.)

- 17419 4. Fuels and electric energy used, by major industry groups, and by divisions and States. [Oct. 1967.] cover title, [1]+15 p. 4° [Preprint of chapter in Annual survey of manufactures, 1964 and 1965 volume.] † Paper, 25c.
- 17420 7.6. Statistics for States, standard metropolitan statistical areas, and large industrial counties: pt. 6, East South Central division. [Oct. 1967.] cover title, 11+26 p. 11. 4° [Preprint of chapter in Annual survey of manufactures, 1964 and 1965 volume.] † Paper, 25c.

Area measurement reports, GE-20 (series). [Prepared by Geography Division.] ● Item 146-B C 3.208/2: (nos.)

- 17421 27. Areas of Missouri, 1960. Sept. 1967. 20 p. 4° * Paper, 20c.
- 17422 35. Areas of North Carolina, 1960. Sept. 1967. 18+[1] p. 4° * Paper, 20c.
- 17423 37. Areas of Ohio, 1960. Sept. 1967. 23 p. 4° * Paper, 20c.

County business patterns, 1965. ([Business Division.]) [Prepared in cooperation with Social Security Administration.]

L.C. card 49-45747 C 3.204/2: 965/pt. (nos.)

- 17424 pt. 1. U.S. summary. [1967.] xli+292 p. 11. 4° * Cloth, \$3.00.
- 17425 pt. 2. Alabama-Illinois. [1967.] xviii+[954] p. 11. 4° * Cloth, \$6.50.
- 17426 pt. 3. Indiana-Missouri. [1967.] xviii+[1056] p. 11. 4° [Includes list of corrections.] * Cloth, \$7.00.
- 17427 pt. 4. Montana-Oregon. [1967.] xviii+[958] p. 11. 4° * Cloth, \$6.50.
- 17428 pt. 5. Pennsylvania-Wyoming. [1967.] xviii+[1098] p. 11. 4° * Cloth, \$7.00.

- 17429 Current industrial reports: Aluminum foil converted, 1966. Aug. 16, 1967. 2 p. 4° (Series MA-34P(66)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-34P(66)-1

- 17430 — Construction machinery, 1966. Oct. 18, 1967. 15 p. 4° (Series M35D(66)-5.) † Paper, 25c. ● Item 142-A C 3.158: M35D(66)-5

- 17431 — Manufacturers' shipments of office furniture, 1966 and 1965. Aug. 31, 1967. 6 p. 4° (Series MA-25H(66)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-25H(66)-1

- 17432 — Motors and generators, [1966]; Oct. 10, 1967. 7 p. 4° (Series MA-36H(66)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-36H(66)-1

- 17433 — Plumbing fixtures, summary for 1966. Oct. 3, 1967. 7 p. 4° (Series M34E(66)-4.) † Paper, 25c. ● Item 142-A C 3.158: M 34E(66)-4

- 17434 — Pumps and compressors, 1966. Nov. 2, 1967. 4 p. 4° (Series MA-35P(66)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-35P(66)-1

- 17435 — Sheets, pillowcases, and towels, 1966. Aug. 24, 1967. 2 p. 4° (Series MA-23X(66)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-23X(66)-1

- 17436 — Survey of origin of exports of manufactured products, 1966. Oct. 19, 1967. cover title, 50 p. 4° (Series: MA-161(66)-1; [Industry Division.]) † Paper, 50c. ● Item 142-A C 3.158: MA 161(66)-1

- 17437 — Yarn production, 1966 (preliminary). Aug. 30, 1967. 6 p. 4° (Series M22F(66)-13.) † Paper, 15c. ● Item 142-A C 3.158: M 22F(66)-13/prelim.

Current population reports: Series P-23, Technical studies. * Paper, \$5.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.50 additional for foreign mailing; single copy, prices vary. ● Item 142-C

- 17438 23. Standard metropolitan statistical areas in United States as defined on May 1, 1967, with population in 1960 and 1950. Oct. 9, 1967. 20 p. 4° [Supersedes Current population reports, series P-23, no. 10.] * Paper, 15c. ● Item 142-C C 3.186: P-23/23

GOVERNMENT PUBLICATIONS

- 17439 Current retail trade reports: 1966 retail trade, annual sales, year-end inventories, and accounts receivable of retail stores, by kind of business [by Gerda Mones, William Owens, and John Probasco]. Oct. 1967. 24 p. il. 4° (Series BR13-66.) * Paper, \$6.00 a year (including Weekly retail sales report, Advance monthly sales report, Monthly retail trade report, and Annual retail trade report), \$4.00 additional for foreign mailing; single copy 20c. ● Item 147-B
L.C. card 55-60385 C 3.138/3-2: 966
- 17440 U.S. foreign trade statistics, classifications and cross-classifications, 1967; [prepared in Foreign Trade Division]. [Sept. 1967.] cover title, [571] p. 4° [Text on p. 2 of cover. Issued in looseleaf form.] † Paper, \$6.00. ● Item 146 C 3.2: F 76/2/967
- 17441 U.S. waterborne foreign trade, summary report FT 985, calendar year 1966; prepared in Foreign Trade Division. Sept. 28, 1967. 11 p. 4° † Paper, 10c. ● Item 144 C 3.164: 985/966
- United States census of agriculture, 1964, farms, farm characteristics, livestock and products, crops, fruits, values: v. 1. [State and county statistics], pt. [Prepared in Agriculture Division. Supersedes statistics shown in preliminary reports, series AC64-P1.]
- 17442 48. California. [1967.] [4]+517+[25] p. il. 4° * Paper, \$3.50. ● Item 152-A-33 C 3.31/4: 964/v.1/pt.48
- 17443 United States censuses of population and housing 1960; Quality control of field enumeration; [by Dean Weber]. [Sept. 1967.] vi+130 p. il. 4° ([Statistical Division, Field Division.]) * Paper, 65c. ● Item 154
L.C. card A 67-7227 C 3.223: Q 2/2

CHILDREN'S BUREAU, Health, Education, and Welfare Dept. Washington, DC 20201

NOTE.—The Children's Bureau has been assigned to the Social and Rehabilitation Service which was established August 15, 1967, by the Secretary of the Department of Health, Education, and Welfare in a major realignment of Federal welfare rehabilitation and social welfare service programs. The Welfare Administration was disestablished on the same date.

- 17444 Suggested guidelines for evaluation of nutritional status of preschool children [with list of references]. 1966, revised 1967. [1967.] [1]+41 p. 4° † ● Item 452-C
L.C. card HEW 67-163 FS 17.208: N 95

CIVIL AERONAUTICS BOARD Washington, DC 20428

- 17445 Address by Robert T. Murphy, Vice Chairman, Civil Aeronautics Board, before fall regional quarterly meeting, Association of Local Transport Airlines, Boston, Mass., Oct. 13, 1967. 1967. 11 p. 4° † C 31.215: M 95/46
- 17446 Address by Robert T. Murphy, Vice Chairman, Civil Aeronautics Board, before National Airports Conference of American Association of Airport Executives, Norman, Okla., Oct. 11, 1967. 1967. 10 p. 4° †
C 31.215: M 95/45
- 17447 Air cargo comes to smaller community, remarks by Whitney Gilliland, member, Civil Aeronautics Board [at] Modern Marketing Through Air Cargo Forum, Delta Air Lines, Inc., Atlanta, Ga., Oct. 12, 1967. [1967.] [1]+13 p. 4° † C 31.215: G 41/9
- 17448 Career opportunities for accountants, economists and transportation analysts, Civil Aeronautics Board. July 1967. cover title, 16 p. narrow 8° † ● Item 183 C 31.202: C 18
- 17449 Possible impact of Department of Transportation on air transport, panel participation by Whitney G. Gilliland, member, Civil Aeronautics Board, Oct. 17, 1967, 21st Air Transport Management Institute, American University, Oct. 16-27, 1967. [1967.] [1]+17 p. 4° † C 31.215: G 41/10

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

**CIVIL DEFENSE OFFICE (Army), Defense Dept.
Washington, DC 20310**

FG (series).

- 17450 E-4.1. Basic emergency broadcast system plan. 1st revision, effective Aug. 4, 1967. [1967.] cover title, iv+91 p. il. 4° [Prepared in cooperation with Federal Communications Commission and Office of Emergency Planning. Supersedes FG-E-4.1, Jan. 1964 and Change 1, Dec. 1964.]
† ● Item 326-B-3
L.C. card 67-62952 D 119.8/3 : E-4.1

[Handbook] H (series).

- 17451 11-2. Meetings that move, to inform, to stimulate, to involve, to motivate, guide to successful meetings on civil defense: v. 2, Program materials on publicity, why civil defense? fallout shelters in new buildings. July 1967. cover title, 23 p. il. 4° [Includes list of available informational materials. Issued with perforations. Supersedes H-11-2, Apr. 1965, which may be used.] † Community Services Office, Office of Civil Defense, Department of Army, O.S.A., Washington, D.C. 20310 ● Item 857-D-10
D 119.8/2 : 11-2/2

Miscellaneous publication MP (series).

- 17452 41. National and State civil defense policy resolutions of American Federation of Labor, Congress of Industrial Organizations. June 1967. cover title, 1+37 p. 4° (Labor Liaison Office.) [Issued with perforations. Supersedes publication of same title, dated Nov. 1966.] † ● Item 857-D-11
D 119.11 : 41/2

**CIVIL SERVICE COMMISSION
Washington, DC 20415**

- 17453 Amendment to following examination announcements: 299B, architect, grades GS-5 to 14; 301B, biochemist, grades GS-7 to 14; 330B, astronomer, grades GS-5 to 15; 372B, patent adviser, grades GS-7 to 15; 376B, mathematical statistician, grades GS-5 to 15. Oct. 16, 1967. 1 p. oblong 24° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26/3 : amdt./967-6
- 17454 Better office skills and service, student manual [with bibliography]. [1967.] cover title, ii leaves+ [220] p. il. 4° (Communications and Office Skills Training Center, Bureau of Training.) [Issued with perforations.] † ● Item 296-B CS 1.7/4 : Of 2
- 17455 Careers as medical auxiliaries, orthotist, prosthetist (grades 6-11), restoration technician (grades 5-11), applications continuously accepted by Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E Street NW., Washington, D.C. 20415, announcement WA-7-47. Oct. 31, 1967. 5 p. 4° † CS 1.26/4 : 967/WA-7-47
- 17456 Careers for professional nurses in Federal service, Interagency Board of U.S. Civil Service Examiners for Washington, D.C., announcement WA-6-15. Nov. 1966 [revised Sept. 1967]. [1967.] [5]+8 p. 4° † ● Item 292 CS 1.26/4 : 966/WA-6-15/rev.
- 17457 Current Federal examination announcements, AN-2279, issue 180, Nov.-Dec. 1967. [1967.] [2] p. f° folded into narrow 8° size. † ● Item 292 CS 1.28 : 2279/180
- 17458 — AN 2279, supp. C to issue 179. Sept.-Oct. 1967. 1 p. oblong 24° [Supersedes supp. A and B.] † ● Item 292 CS 1.28 : 2279/179/supp.C
- 17459 Discontinuance notice to Federal careers in engineering and physical sciences, announcement WA-6-12, grades GS-5 and GS-7, agricultural statistician, announcement 305 B, grades GS-5 and GS-7. Oct. 16, 1967. 1 p. oblong 48] (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26/4 : 966/WA-6-12 notice
- 17460 Examination for trainees to participate in vacation work-study programs leading to professional careers in engineering and physical sciences, grade 3, \$82.00 a week, grade 4, \$92.00 a week, apply to Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E Street, NW., Washington, D.C. 20415, announcement WA-7-44. Oct. 31, 1967, 4 p. 4° [Program for students majoring in cartography, chemistry, engineering, geodesy, hydrology, mathematics, metallurgy, meteorology, naval architecture, oceanography, physics. Closing date, Jan. 25, 1968.] † CS 1.26/4 : 967/WA-7-44

GOVERNMENT PUBLICATIONS

- 17461 Interagency Board of U.S. Civil Service Examiners for Washington, D.C. announces examination for patent examiner, grades GS-9 through GS-13, announcement WA-7-42. Oct. 3, 1967. 6 p. 4° [No closing date.] †
● Item 292 CS 1.26/4:967/WA-7-42
- 17462 Professional opportunities for educational program advisors (grades 9-12), apply to International Board of U.S. Civil Service Examiners for Washington, D.C., announcement WA-7-46. Nov. 7, 1967. 4 p. 4° [Applications continuously accepted.] † ● Item 292 CS 1.26/4:967/WA-7-46
- 17463 Veterinarian trainee, grade GS-7, summer employment for juniors in veterinary medicine, apply to Interagency Board of Civil Service Examiners for Washington, D.C., Hyattsville Branch Office, Federal Center Building, Hyattsville, Md., announcement WA-7-48. Nov. 7, 1967. [6] p. narrow 12° [Closing date Feb. 5, 1968.] † ● Item 292 CS 1.26/4:967/WA-7-48

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION, Commerce Dept., Springfield, VA 22151

- 17464 SPFSI special foreign currency science information program, supplemental list of translations in process for fiscal year 1967, coordinated and administered by National Science Foundation. Sept. 1967. [2]+ii+21 p. 4° †
C 51.12:967/supp.

COAST AND GEODETIC SURVEY, Commerce Dept. Washington, DC 20230

- 17465 Distances between United States ports. 4th (1967) edition. 1967. 49 p. il. map, 4° [Assembles under one cover distance tables computed for United States coast pilots.] † Paper, 40c. ● Item 192
L.C. card 61-64819 C 4.2:P 83/967
Publication.
- 17466 31-3. Surface water temperature and density, Pacific Coast, North and South America and Pacific Ocean Islands. 2d edition 1967. [1967.] 85 p. il. large 8° * Paper, 50c. ● Item 193 C 4.19/2:31-3/72
- 17467 United States coast pilot 5: Atlantic Coast, Gulf of Mexico, Puerto Rico, and Virgin Islands. 6th (Apr. 29, 1967) edition. 1967. 1967. v+301 p. il. 4° [Corrected through Notice to mariners NM-17/67.] † Cloth, \$2.50.
● Item 204
L.C. card 50-60257 C 4.6/4:5/6

COAST GUARD, Transportation Dept. Washington, DC 20591

- 17468 Engineer's digest. (CG-133.) [Quarterly. Prior to no. 155, issued by Coast Guard, Treasury Department, and classified T 47.30:(nos.).] †
L.C. card 41-51259 TD 5.17:(nos.)
No. 255— Apr.-May-June 1967—

COMMERCE DEPARTMENT Washington, DC 20230

NOTE.—Requests to the Commerce Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 17469 Address by Secretary of Commerce Alexander B. Trowbridge prepared for delivery to Young Presidents Organization, Washington, D.C., Oct. 19, 1967. [1967.] 12 p. 4° (Office of Secretary.) † C 1.18:T75/34
- 17470 Automobile and air pollution, program for progress: [pt. 1], Report of Panel on Electrically Powered Vehicles to Commerce Technical Advisory Board. Oct. 1967. iv+51 p. il. 4° * Paper, 60c. ● Item 128
L.C. card 67-62879 C 1.2: Au 8/pt.1

* For Sale by Superintendent of Documents

† Distribution Made by Issuing Office

‡ Official Use. Not Available

DECEMBER 1967

- 17471 Economy: Prospects and policies, remarks by William H. Shaw, Assistant Secretary of Commerce for Economic Affairs, prepared for delivery at National Defense Executive Reserve Conference, Oct. 23, 1967, Washington, D.C. 1967. 8 p. 4° † C 1.18: Sh 2/15
- 17472 Future in materials, address by Assistant Secretary of Commerce for Science and Technology John F. Kincaid, prepared for delivery at banquet of 2d Materials Research Symposium, Washington, D.C., Oct. 17, 1967. [1967.] 16 p. 4° (Office of Secretary.) † C 1.18: K 57/2
- 17473 Our domestic economy, who is shooting John, text of address by Lawrence C. McQuade, Assistant Secretary of Commerce for Domestic and International Business, prepared for delivery before Chamber of Commerce, Augusta, Ga., Oct. 20, 1967. 1967. 17 p. 4° † C 1.18: M 24/20
- Overseas business reports OBR (series). [Issued irregularly.] * Paper, \$13.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.). ● Item 231-B C 1.50: (nos.)
- 17474 67-54. Foreign trade regulations of Iran: prepared by Near East-South Asia Division, Office of International Regional Economics, Aug. 1967. 7 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 65-82.]
- 17475 67-59. Establishing business in Italy [with bibliography]; prepared for publication in European Division, Office of International Regional Economics, Sept. 1967. 18 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes WTIS, pt. 1, no. 60-33.]
- 17476 67-63. Establishing business in United Kingdom [with bibliography]; prepared by Paul A. Norloff, Oct. 1967. 11 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 64-46.]
- 17477 67-64. Market factors in India [with bibliography]; prepared by Mary L. Manly, Oct. 1967. 17 p. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 17478 67-65. Foreign trade regulations of Central American Common Market; prepared by Maryann J. O'Hagan, Oct. 1967. 10 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 63-155, OBR 64-50, OBR 64-21, OBR 66-17, OBR 64-62.]
- 17479 67-66. Foreign trade regulations of Brazil; prepared by Don A. Waisman, Oct. 1967. 8 p. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 17480 67-67. Foreign trade regulations of Arabian Gulf States; prepared for publication in Near East-South Asia Division, Office of International Regional Economics, Oct. 1967. 5 p. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 17481 67-68. Foreign trade regulations of Finland; prepared by Harold McNitt, Oct. 1967. 8 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 64-132.]
- 17482 67-69. Foreign trade regulations of Chile; prepared by Carl Randall, Oct. 1967. 8 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 65-84.]
- 17483 Trade winds, address by Lawrence C. McQuade, Assistant Secretary of Commerce for Domestic and International Business, Department of Commerce, prepared for delivery before Patent Law Association of Chicago, Chicago, Ill., Nov. 1, 1967. [1967.] 26 p. 4° † C 1.18: M 24/21
- 17484 United States Department of Commerce promotes economic growth; [prepared by Office of Public Affairs]. 1967. 40 p. il. * Paper, 50c. ● Item 128-A C 1.8/3: C 73/967
L.C. card 67-62965

CONGRESS

- 17485 Congressional record, proceedings and debates of 89th Congress, 2d session, v. 112, pt. 9, May 19-June 6, 1966. [Permanent edition.] 1966. [1]+10981-12444 p. 4° * Cloth, \$4.75. ● Item 993
L.C. card 12-36438 X 89/2: 112/pt.9

NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break. Extraneous matter appearing in the Appendix is omitted from the permanent form of the Congressional record.

GOVERNMENT PUBLICATIONS

Congressional serial set

NOTE.—During each session of Congress the House and Senate documents and reports are accumulated into bound volumes comprising the Congressional serial set. No catalog entry is made for the volumes of the Serial set since the documents and reports contained therein have been previously listed in the Monthly catalog.

The following bound volumes were sent to depository libraries during the period of this catalog:

House documents:

- 17486 nos. 100-245, with exceptions, 89th Congress, 1st session, House miscellaneous documents III [Serial 12677-3]. ● Item 995-G

House reports:

- 17487 nos. 15-1181, with exceptions, 89th Congress, 1st session, House special reports [Serial 12667-2]. ● Item 1007-A
nos. 1100-1210, with exceptions, 89th Congress, 1st session, House miscellaneous reports on public bills VII [Serial 12665-7]. ● Item 1007-A

Senate documents:

- 17488 nos. 2-40, with exceptions, 89th Congress, 1st session, Senate miscellaneous documents I [Serial 12668-1]. ● Item 995-G
no. 45, 90th Cong., 1st session., Report of the Secretary of the Senate, Jan. 1-June 30, 1967 [Serial 12758-2]. ● Item 995-M

Senate reports:

- 17489 nos. 1-939, with exceptions, 89th Congress, 1st session, Senate special reports [Serial 12664]. ● Item 1007-A

Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

Private laws, 90th Congress. † House or Senate Document Rooms, Capitol.

- 17490 93. S. 534, act for relief of Setsuko Wilson (nee Hiranaka). Approved Oct. 10, 1967. 1 p.
17491 94. S. 117, act for relief of Martha Blankenship. Approved Oct. 11, 1967. 1 p.
17492 95. S. 985, act for relief of Warren F. Coleman, jr. Approved Oct. 18, 1967. 1 p.
17493 96. H.R. 6189, act for relief of Fred W. Kolb, jr. Approved Oct. 25, 1967. 1 p.
17494 97. H.R. 1674, act for relief of Frank I. Mellin, jr. Approved Oct. 25, 1967. 1 p.
17495 98. H.R. 1572, act for relief of Mercedes De Toffoli. Approved Oct. 27, 1967. 1 p.
17496 99. H.R. 1653, act for relief Omer Penner. Approved Oct. 27, 1967. 1 p.
17497 100. H.R. 2477, act for relief of John J. McGrath. Approved Oct. 27, 1967. 1 p.
17498 101. H.R. 6663, act for relief of Jesse W. Stutts, jr. Approved Oct. 27, 1967. 1 p.
17499 102. H.R. 6666, act for relief of Marilyn Shorette. Approved Oct. 27, 1967. 1 p.
17500 103. H.R. 7324, act for relief of Alfredo F. Mendez. Approved Oct. 27, 1967. 1 p.
17501 104. H.R. 8254, act for relief of Jan Drobot. Approved Oct. 27, 1967. 1 p.
17502 105. S. 43, act for relief of Mi Soon Oh. Approved Oct. 31, 1967. 1 p.
17503 106. S. 63, act for relief of Enrique Alberto Rojas-Vila. Approved Oct. 31, 1967. 1 p.
17504 107. S. 64, act for relief of Luis Osvaldo Martinez-Farinas. Approved Oct. 31, 1967. 1 p.
17505 108. S. 221, act for relief of Armando Perez Simon. Approved Oct. 31, 1967. 1 p.
17506 109. S. 440, act for relief of Julio Alejandro Solano. Approved Oct. 31, 1967. 1 p.
17507 110. S. 733, act for relief of Sablene Elizabeth DeVore. Approved Oct. 31, 1967. 1 p.
17508 111. S. 741, act for relief of Rumiko Samanski. Approved Oct. 31, 1967. 1 p.
17509 112. S. 821, act for relief of Julio Domingo Hernandez. Approved Oct. 31, 1967. 1 p.
17510 113. S. 975, act for relief of Mitsuo Blomstrom. Approved Oct. 31, 1967. 1 p.
17511 114. S. 1021, act for relief of Antonio Luis Navarro. Approved Oct. 31, 1967. 1 p.
17512 115. S. 1106, act for relief of David Castaneda. Approved Oct. 31, 1967. 1 p.
17513 116. S. 1110, act for relief of Manuel Alpendre Seisdedos. Approved Oct. 31, 1967. 1 p.
17514 117. S. 1197, act for relief of Lucio Arsenio Travieso y Perez. Approved Oct. 31, 1967. 1 p.
17515 118. S. 1269, act for relief of Gonzalo G. Rodriguez. Approved Oct. 31, 1967. 1 p.
17516 119. S. 1279, act for relief of Francisco Montes. Approved Oct. 31, 1967. 1 p.
17517 120. S. 1280, act for relief of Alfredo Pereira. Approved Oct. 31, 1967. 1 p.
17518 121. S. 1458, act for relief of Lee Duk Hee. Approved Oct. 31, 1967. 1 p.
17519 122. S. 1471, act for relief of Hugo Gonzalez. Approved Oct. 31, 1967. 1 p.
17520 123. S. 1482, act for relief of Ernesto Nestor Prieto. Approved Oct. 31, 1967. 1 p.
17521 124. S. 1525, act for relief of Mario R. Garcini. Approved Oct. 31, 1967. 1 p.
17522 125. S. 1557, act for relief of Carlos E. Gariga. Approved Oct. 31, 1967. 1 p.
17523 126. S. 1647, act for relief of Maria del Carmen Trabado de Arias. Approved Oct. 31, 1967. 1 p.
17524 127. S. 1678, act for relief of American Petrofina Company of Texas, Delaware corporation, and James W. Harris. Approved Oct. 31, 1967. 1 p.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17525 128. S. 1709, act for relief of Antonio Martin Ruiz del Castillo. Approved Oct. 31, 1967. 1 p.
- 17526 129. S. 1748, act for relief of Ramiro de la Riva Dominguez. Approved Oct. 31, 1967. 1 p.
- 17527 130. S. 1938, act for relief of Orlando Hipolito Maytin. Approved Oct. 31, 1967. 1 p.
- 17528 131. H.R. 1948, act for relief of Lim Ai Ran and Lim Soo Ran. Approved Oct. 31, 1967. 1 p.
- 17529 132. H.R. 1960, act for relief of Angelique Kousoulas. Approved Oct. 31, 1967. 1 p.
- 17530 133. H.R. 2464, act for relief of Yoo Young Hui, and daughter, Ok Young. Approved Oct. 31, 1967. 1 p.
- 17531 134. H.R. 2978, act for relief of Yong Ok Espantoso. Approved Oct. 31, 1967. 1 p.
- 17532 135. H.R. 3430, act for relief of Yim Mei Lam. Approved Oct. 31, 1967. 1 p.
- 17533 136. H.R. 3497, act for relief of Ramiro Velasquez Huerta. Approved Oct. 31, 1967. 1 p.
- 17534 137. H.R. 4534, act for relief of Mary Bernadette Linehan. Approved Oct. 31, 1967. 1 p.
- 17535 138. H.R. 5216, act for relief of Roberto Martin Del Campo. Approved Oct. 31, 1967. 1 p.

Public laws, 90th Congress. • Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C. 20402, at a subscription price of \$12.00 per session, \$2.00 additional for foreign mailing; single copies vary in price.

- 17536 82. H.R. 11945, act to amend college work-study program with respect to institutional matching and permissible hours of work. Approved Sept. 6, 1967. 1 p. • Paper, 5c.
- 17537 83. H.R. 5876, act to amend titles 5, 14, and 37, United States Code, to codify recent law, and to improve Code. [Approved Sept. 11, 1967.] 30 p. • Paper, 15c.
- 17538 84. S. 1633, act to amend act of June 12, 1960, relating to Potomac interceptor sewer, to increase amount of Federal contribution to cost of that sewer. Approved Sept. 11, 1967. 1 p. • Paper, 5c.
- 17539 85. H.R. 547, act to authorize Secretary of Agriculture to sell Pleasanton Plant Materials Center in Alameda County, Calif., and to provide for establishment of plant materials center at more suitable location to replace Pleasanton Plant Materials Center, and for other purposes. Approved Sept. 11, 1967. 1 p. • Paper, 5c.
- 17540 86. H.R. 9837, act to amend Legislative branch appropriation act, 1959, as it relates to transportation expenses of Members of House of Representatives, and for other purposes. Approved Sept. 17, 1967. 1 p. • Paper, 5c.
- 17541 87. S. 1956, act to extend for 1 year authority for more flexible regulation of maximum rates of interest or dividends, higher reserve requirements, and open market operations in agency issues. Approved Sept. 21, 1967. 1 p. • Paper, 5c.
- 17542 88. H.R. 9547, act to amend Inter-American Development Bank act to authorize United States to participate in increase in resources of fund for special operations of Inter-American Development Bank, and for other purposes. [Approved Sept. 22, 1967.] 2 p. • Paper, 5c.
- 17543 89. S. 1601, act to increase appropriation authorization for continuing work in Missouri River Basin by Secretary of Interior. Approved Sept. 22, 1967. 1 p. • Paper, 5c.
- 17544 90. S. 828, act to amend sec. 5(b) of act of Mar. 18, 1966 (Public law 89-372), so as to make prohibition contained therein on filling of certain vacancies in office of district judge for eastern district of Pennsylvania inapplicable to first vacancy occurring after enactment of such act. Approved Sept. 23, 1967. 1 p. • Paper, 5c.
- 17545 91. S. 953, act to amend Food stamp act of 1964. Approved Sept. 27, 1967. 1 p. • Paper, 5c.
- 17546 101. S.J. Res. 109, joint resolution to authorize and request the President to issue proclamation commemorating 50 years of service to the Nation by Langley Research Center. Approved Oct. 3, 1967. 1 p. • Paper, 5c.
- 17547 102. H.J. Res. 853, joint resolution making continuing appropriations for fiscal year 1968, and for other purposes. Approved Oct. 5, 1967. 1 p. • Paper, 5c.
- 17548 103. S. 602, act to revise and extend Appalachian regional development act of 1965, and to amend Public works and economic development act of 1965. [Approved Oct. 11, 1967.] 12 p. • Paper, 10c.
- 17549 104. S. 1862, act to amend authorizing legislation of Small Business Administration, and for other purposes. [Approved Oct. 11, 1967.] 6 p. • Paper, 5c.
- 17550 105. To provide for acquisition of career status by certain temporary employees of Federal Government, and for other purposes. [Approved Oct. 11, 1967.] 3 p. • Paper, 5c.
- 17551 106. S. 1564, act to amend marketing quota provisions of Agricultural adjustment act of 1938, as amended. Approved Oct. 12, 1967. 1 p. • Paper, 5c.
- 17552 107. S. 2162, act to amend act of Jan. 17, 1936 (49 Stat. 1094), reserving certain public domain lands in Nevada and Oregon as grazing reserve for Indians of Fort McDermitt, Nev. Approved Oct. 12, 1967. 1 p. • Paper, 5c.

GOVERNMENT PUBLICATIONS

Public laws, 90th Congress—Continued

- 17553 108. S. 2310, act to provide more effectively for regulation of use of, and for preservation and safety and order within United States Capitol Buildings and Capital Grounds, and for other purposes. [Approved Oct. 20, 1967.] 3 p. * Paper, 5c.
- 17554 109. H.R. 3979, act to amend sec. 6409 (b)(1) of title 39, United States Code, which relates to transportation compensation paid by Postmaster General. Approved Oct. 21, 1967. 1 p. * Paper, 5c.
- 17555 110. H.R. 11722, act to authorize certain construction at military installations and for other purposes. [Approved Oct. 21, 1967.] 33 p. * Paper, 15c.
- 17556 111. S. 2121, act to extend provisions of act of Oct. 23, 1962, relating to relief for occupants of certain unpatented mining claims. Approved Oct. 23, 1967. 1 p. * Paper, 5c.
- 17557 112. H.R. 11456, act making appropriations for Department of Transportation for fiscal year 1968, and for other purposes. [Approved Oct. 23, 1967.] 8 p. * Paper, 5c.
- 17558 113. H.R. 10590, act making appropriations for Department of Agriculture and related agencies for fiscal year 1968, and for other purposes. [Approved Oct. 24, 1967.] 16 p. * Paper, 10c.
- 17559 114. H.R. 678, act to provide for disposition of funds appropriated to pay judgment in favor of Upper and Lower Chehalis Tribes of Indians in Claims Commission docket numbered 237, and for other purposes. Approved Oct. 24, 1967. 1 p. * Paper, 5c.
- 17560 115. H.R. 3973, act to amend Healing arts practice act, District of Columbia, 1928, and act of June 6, 1892, relating to licensing of dentists in District of Columbia, to exempt from licensing requirements of such acts physicians and dentists while performing services in employ of District of Columbia. [Approved Oct. 24, 1967.] 2 p. * Paper, 5c.
- 17561 116. H.J. Res. 516, joint resolution to amend joint resolution of Mar. 25, 1953, to increase number of electric typewriters which may be furnished to Members by Clerk of House. Approved Oct. 24, 1967. 1 p. * Paper, 5c.

ECONOMIC JOINT COMMITTEE Washington, DC 20510

- 17562 August review of 1968 budget, hearing, 90th Congress, 1st session, Aug. 24, 1967. 1967. iii+63 p. * Paper, 20c. ● Item 1000
L.C. card 67-62823 Y 4.Ec 7: B 85/3
- 17563 New plan for international monetary reserves, hearing before Subcommittee on International Exchange and Payments, 90th Congress, 1st session, Sept. 14, 1967. 1967. iii+91 p. il. * Paper, 30c. ● Item 1000
L.C. card 67-62804 Y 4.Ec 7: M 74/15
- 17564 Nov. 1967 supplement to Committee publications and policies governing their distribution, 90th Cong. 1st sess. [1967.] 2 p. 4° (Committee print.) †
L.C. card 67-61459 Y 4.Ec 7: P 96/947-66/supp.

HOUSE OF REPRESENTATIVES Washington, DC 20515

House documents

NOTE.—All House documents, entries for which are followed by a †, may be obtained from the House Document Room or from the issuing office.

House documents, 79th Congress.

- 17565 779, pt. 1. Foreign relations of United States, diplomatic papers 1945: v. 1, General, United Nations. 1967. lviii+1611 p. ([Publication S294; Historical Office, Bureau of Public Affairs.]) * (Available in departmental edition, cloth, \$5.25, S 1.1: 945/v. 1, and sent to depositories in that form. See Entry no. 18230.)

House documents, 90th Congress.

- 17566 29. Outdoors USA [yearbook of agriculture 1967; Jack Hayes, editor]. [1967.] xxxix+408 p. il. [Illustrated lining papers attached to front and back covers. Yearbook is made up of signed articles.] * (Available in departmental edition, cloth, \$2.75, A 1.10: 967 and sent to depositories in that form. See Entry no. 17325.)
- 17567 160. Annual report of Postmaster General, Post Office Department, July 1, 1966–June 30, 1967. [1967.] viii+166 p. il. * (Available in departmental edition, 60c., and sent to depositories in that form. See Entry no. 18136.)
- 17568 168. Lake Chicot, Ark., letter from chief of engineers, Army, submitting report on reviews of report; Sept. 20, 1967. 1967. xxx+149 p. il. 3 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 17731.] †

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17569 169. Little Blue River, vicinity of Kansas City, Mo., letter from chief of engineers, Army, submitting report on review of report: Sept. 21, 1967. [1967.] xxii+143 p. il. 2 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 17732.]
- 17570 174. Bristol Harbor, R.I., letter from chief of engineers, Army, submitting report on review of reports: Oct. 11, 1967. [1967.] xi+52 p. 1 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 17730.] †

House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on public bills, 90th Congress. †House Document Room, Capitol. (No. 815 is sold by Superintendent of Documents.) ● Item 1008-A

- 17571 602. Amending sec. 2733 of title 10 of United States Code, to include authority for settlement of claims incident to noncombat activity of Coast Guard while it is operating as service in Department of Transportation, to increase authority which may be delegated to officer under subsection (G) of sec. 2733 from \$1,000 to \$2,500, and for other purposes. Report from Committee on Judiciary to accompany H.R. 206. Aug. 24, 1967. 16 p.
- 17572 786. National flood insurance act of 1967. Report of Committee on Banking and Currency on S. 1985; Oct. 16, 1967. 1967. ii+59 p. il. [Includes supplemental views.] L.C. card 67-62948
- 17573 795. Congressional redistricting. Conference report to accompany H.R. 2508. Oct. 19, 1967. 4 p.
- 17574 798. Consideration of S. 1985. Report from Committee on Rules to accompany H. Res. 953. Oct. 19, 1967. 1 p.
- 17575 800. Administration of research grants in Public Health Service. 9th report by Committee on Government Operations; Oct. 20, 1967. 1967. viii+113 p. L.C. card 67-62950
- 17576 804. NASA appropriations, 1968. Conference report to accompany H.R. 12474. Oct. 20, 1967. 3 p.
- 17577 811. Naming Federal office building, Detroit, Mich., in honor of the late Patrick V. McNamara. Report from Committee on Public Works to accompany S. 343. Oct. 24, 1967. 3 p.
- 17578 815. Automobile insurance study. Report by staff of Antitrust Subcommittee (subcommittee no. 5) of Committee on Judiciary, pursuant to H. Res. 40; Oct. 24, 1967. 1967. viii+183 p. 1 tab. * Paper, 60c. L.C. card 67-62949
- 17579 818. Consideration of H.R. 12144. Report from Committee on Rules to accompany H. Res. 957. Oct. 24, 1967. 1 p.
- 17580 823. National Aeronautics and Space Administration appropriation bill, 1968. Conference report to accompany H.R. 12474. Oct. 25, 1967. 3 p.
- 17581 866. Economic opportunity amendments of 1967. Report from Committee on Education and Labor to accompany S. 2388. Oct. 27, 1967. 218 p. [Includes separate dissenting views, separate minority views, additional views, and additional minority views.]
- 17582 880. Consideration of H.R. 13094. Report from Committee on Rules to accompany H. Res. 963. Nov. 1, 1967. 1 p.

Agriculture Committee, House Washington, DC 20515

[Committee hearings] serial, 90th Congress. ● Item 1010

- 17583 O. Effect of Federal programs on rural America, hearings before Subcommittee on Rural Development, 90th Congress, 1st session, June 6-July 12, 1967. 1967. v+876 p. † Y 4.Ags/1: R88/9
L.C. card 67-62800
- 17584 R. Amend Grain standards act, hearings before Subcommittee on Livestock and Grains, 90th Congress, 1st session, on H.R. 2121 and H.R. 11162. L.C. card 67-62357 Y 4.Ags/1: G76/5/967/pt.1
pt. 1. Sept. 12-14, 1967. 1967. iii+1-97 p. † (Information incorrect in publication as to sale by Superintendent of Documents).
- 17585 U. Rural telephone supplemental financing, hearings, 90th Congress, 1st session, on H.R. 12066, Aug. 23 and 24, 1967. 1967. iii+77 p. † Y 4.Ags/1: T23/3
L.C. card 67-62621
- 17586 V. Summer home permits in national forests, hearing before Subcommittee on Forests, 90th Congress, 1st session, on H.R. 11360 and H.R. 11370, Sept. 27, 1967. 1967. iii+23 p. † Y 4.Ags/1: F76/42
L.C. card 67-62899
- 17587 X. Provide food and medical services on emergency basis, hearing, 90th Congress, 1st session, on S. 2138, Oct. 5, 1967. 1967. iii+95 p. † L.C. card 67-62581
- 17588 Y. Permit advance payments to wheat producers, hearing before Subcommittee on Livestock and Grains, 90th Congress, 1st session, on H.R. 6437, H.R. 6438, H.R. 6439, H.R. 6440, and H.R. 7574, July 11, 1967. 1967. iii+22 p. † Y 4.Ags/1: W56/25

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

[Committee hearings] serial, 90th Congress—Continued

- 17589 BB. Encourage exportation of agricultural commodities, hearing before Subcommittee on Foreign Agricultural Operations, 90th Congress, 1st session, on H.R. 7475, H.R. 7986, H.R. 8205, H.R. 8214, H.R. 8369, and H.R. 8448, Oct. 3, 1967. 1967. iii+41 p. †
L.C. card 67-62900 Y 4.Ag8/1: Ex7/7

Armed Services Committee, House Washington, DC 20515

[Papers], 90th Congress. † ● Item 1012 Y 4.Ar 5/2a: 967-68/(nos.)

NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 17590 19. Hearings before Special Subcommittee on M-16 Rifle Program, 90th Congress, 1st session, May 15-Aug. 22, 1967. [1967.] cover title, 4431-5019+x p. il. L.C. card 67-62827
- 17591 26. Report of Special Subcommittee on M-16 Rifle Program, 90th Congress, 1st session, Oct. 19, 1967. 1967. v+5321-72 p. L.C. card 67-62826
- 17592 27. Full committee hearings on H.R. 8197, H.R. 9069, and H.R. 13510 (bills to increase basic pay and adjust retired pay and retainer pay for members and former members of uniformed services). [1967.] p. 5373-5455.
- 17593 28. Subcommittee no. 3 hearings on H.R. 1341, to amend sec. 701 of title 10, United States Code, to authorize additional accumulation of leave in certain foreign areas, and H.R. 3982, to amend sec. 409 of title 37, United States Code, relating to transportation of house trailers and mobile dwellings of members of uniformed services. [1967.] p. 5457-78.

Banking and Currency Committee, House Washington, DC 20515

- 17594 Consumer credit protection act, hearings before Subcommittee on Consumer Affairs, 90th Congress, 1st session, on H.R. 11601 and related bills. †
● Item 1013 Y 4.B22/1: C76/3/pt.1, 2
L.C. card 67-62846
pt. 1. Aug. 7-14, 1967. 1967. x+1-592 p. il.
pt. 2. Aug. 15-18, 1967, and appendixes. 1967. x+593-1221 p. il. 1 tab.
- 17595 Extension of temporary interest rate controls, hearings, 90th Congress, 1st session, on H.R. 12754, Sept. 14 and 15, 1967. 1967. v+125 p. il. †
● Item 1013 Y 4.B22/1: In8/14
L.C. card 67-62801

District of Columbia Committee, House Washington, DC 20515

- 17596 Amend statute of limitations, hearing before subcommittee no. 1, 90th Congress, 1st session, on H.R. 6527, H.R. 6678, and H.R. 11544, Oct. 2, 1967. 1967. iv+51 p. [Includes H. rp. 741 on H.R. 6527, issued Oct. 6, 1967.] † ● Item 1014 Y 4.D 63/1: St 2
L.C. card 67-62796
- 17597 Election of Board of Education, hearing, 90th Congress, 1st session, on H.R. 12454, H.R. 12415, H.R. 12416, and H.R. 12574, Aug. 24, 1967. 1967. iii+66 p. † ● Item 1014 Y 4.D 63/1: Ed 8/5/967
L.C. card 67-62786
- 17598 Public space utilization, hearing before Subcommittee no. 3, 90th Congress, 1st session, on H.R. 12506, H.R. 12507, H.R. 9072, and H.R. 10470, H.R. 12508, Oct. 20, 1967. 1967. iv+101 p. il. map. † ● Item 1014 Y 4.D 63/1: Sp 1
L.C. card 67-62813

Education and Labor Committee, House Washington, DC 20515

- 17599 Amendments to National Foundation on the Arts and the Humanities act of 1965, hearings before Special Subcommittee on Labor, 90th Congress, 1st session, on H.R. 11308, July 18 and 26, 1967. 1967. vi+149 p. † ● Item 1015 Y 4.Ed 8/1: N 21f/2
L.C. card 67-62784

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 17600 Amendments to Vocational rehabilitation act, hearings before Select subcommittee on Education, 90th Congress, 1st session, on H.R. 8981 and similar bills, July 18-27, 1967. 1967. iv+155 p. † ● Item 1015
L.C. card 67-62856 Y 4.Ed 8/1: V 85/967

- 17601 Economic opportunity act amendments of 1967, hearings, 90th Congress, 1st session, on H.R. 8311. † ● Item 1015
L.C. card 67-62314 Y 4.Ed 8/1: Ec 7/967/pt. (nos.)
pt. 3. July 12-19, 1967. 1967. vii+1605-2470 p.
pt. 4. July 20-Aug. 1, 1967. 1967. ix+2471-3660 p. il.

Government Operations Committee, House
Washington, DC 20515

- 17602 Payment of travel expenses of applicants for Federal employment, hearing before subcommittee, 90th Congress, 1st session, on H.R. 9382, Sept. 13, 1967. 1967. iii+46 p. † ● Item 1016
L.C. card 67-62582 Y 4.G 74/7: T 69/3/967
- 17603 Recreational boating safety, hearing before subcommittee, 90th Congress, 1st session, July 31, 1967. 1967. iii+117 p. † ● Item 1016
L.C. card 67-62825 Y 4.G 74/7: B 63

Interior and Insular Affairs Committee, House
Washington, DC 20515

[Committee hearings] serial, 90th Congress.

- 17604 11. Redwood National Park, hearings before Subcommittee on National Parks and Recreation, 90th Congress, 1st session, on H.R. 1311 and related bills.
pt. 1. June 27-July 19, 1967. 1967. v+1-248 p. † ● Item 1023
Y 4.In 8/14: 90-11/pt.1

Interstate and Foreign Commerce Committee, House
Washington, DC 20515

[Committee hearings] serial, 90th Congress.

- 17605 12. Animal drug amendments of 1967, hearing before Subcommittee on Public Health and Welfare, 90th Congress, 1st session, on H.R. 3639 and identical bills. 1967. iv+66 p. il. † ● Item 1019
L.C. card 67-62815 Y 4.In 8/4: 90-12

Judiciary Committee, House
Washington, DC 20515

[Committee hearings] serial, 90th Congress.

- 17606 8. Naturalization, hearings before subcommittee no. 1, 90th Congress, 1st session, on H.R. 2138, July 27 [and] Aug. 24, 1967. 1967. iii+66 p. † ● Item 1020
L.C. card 67-62788 Y 4.J 89/1: 90-8

Post Office and Civil Service Committee, House
Washington, DC 20515

[Committee hearings] serial, 90th Congress. † ● Item 1022
Y 4.P 84/10: 90-(nos.)

- 17607 19. Franked mail, ratio of substitute to regular postal employees, hearings before Subcommittee on Postal Operations, 90th Congress, 1st session, on H.R. 11060, H.R. 438 and H.R. 8924, June 27 and 28, 1967. 1967. iii+57 p.
L.C. card 67-62803
- 17608 20. Obscene and pandering advertisement mail matter, hearing before Subcommittee on Postal Operations, 90th Congress, 1st session, on H.R. 426, H.R. 8215: pt. 2, June 9, 1967. 1967. iii+35-79 p. [Hearing held in Philadelphia, Pa.]
L.C. card 67-61401
- 17609 21. ASCS county office employees, hearing before Subcommittee on Manpower and Civil Service, 90th Congress, 1st session, on H.R. 6299 and S. 1028, Oct. 10, 1967. 1967. iii+33 p.
L.C. card 67-62847
- 17610 Decision of Comptroller General regarding administrative leave to employees representing Government employee organizations, Subcommittee on Manpower, 89th Congress, 2d session; July 1966. 1966. v+6 p. (Committee print.) †
L.C. card 66-62495 Y 4.P 84/10: L 48/5

GOVERNMENT PUBLICATIONS

Public Works Committee, House

Washington, DC 20515

- 17611 Advance acquisition of highway rights-of-way study, transmitted by Secretary of Department of Transportation to Congress, as required by Federal-aid highway act of 1966 (Public law 89-574, 89th Congress, Sept. 13, 1966); July 1967. 1967. v+107 p. il. (Committee print 8, 90th Congress, 1st session.) ‡
L.C. card 67-62863 Y 4.P 96/11: 90-8

Science and Astronautics Committee, House

Washington, DC 20515

[Paper], 90th Congress, 1st session.

- 17612 6. International biological program, hearings before Subcommittee on Science, Research, and Development, 90th Congress, 1st session, on H. Con. Res. 273, May 9-Aug. 9, 1967. 1967. iv+449 p. † ● Item 1025-A Y 4.Sci 2: 90-1/6
L.C. card 67-62828

Veterans' Affairs Committee, House

Washington, DC 20515

- 17613 Income limitations under VA pension and DIC programs, hearings before Subcommittee on Compensation and Pension, 90th Congress, 1st session, income limitations under pension and dependency and indemnity compensation programs and effect of retirement income increases on beneficiaries, Sept. 19-26, 1967. 1967. iv+2025-2045 p. † ● Item 1027
L.C. card 67-62816 Y 4.V 64/3: In 2/5

Ways and Means Committee, House

Washington, DC 20515

- 17614 President's 1967 tax proposals, hearings, 90th Congress, 1st session, on tax proposals of the President contained in his message transmitted to Congress Aug. 3, 1967, Aug. 14-Sept. 14, 1967. ● Item 1028.
L.C. card 67-62829 Y 4.W 36: T 19/26/967/pt. (nos.)
pt. 1. Aug. 14-25, 1967. 1967. xi+1-391 p. il. * Paper, \$1.00.
pt. 2. Aug. 28-Sept. 14, and material received for the record. 1967. xi+393-638b, 639-835 p. il. * Paper, \$1.25.

SENATE

Washington, DC 20510

Senate documents

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

Senate documents, 90th Congress.

- 17615 49. Manpower and training needs in water pollution control, report of Department of Interior, Federal Water Pollution Control Administration to Congress of United States in compliance with Public law 89-753, Aug. 2, 1967; Aug. 31, 1967. 1967. vi+50 p. il. * Paper, 20c. ● Item 996
L.C. card 67-62946
- 17616 51. Norwalk River basin, Conn. and N.Y., letter from chief of engineers, Army, submitting report on interim report; Oct. 16, 1967. 1967. xvii+50 p. 2 pl. 4* [Also issued in departmental edition and sent to depositories in that form. See Entry no. 17733.]
- 17617 55. Research in service of man: Biomedical knowledge, development, and use, conference sponsored by Subcommittee on Government Research (pursuant to S. Res. 218, 89th Cong.) and Frontiers of Science Foundation of Oklahoma for Committee on Government Operations, Senate, held at Oklahoma City, Okla., Oct. 24-27, 1966. [proceedings, with bibliography]; Nov. 2, 1967. 1967. ix+246 p. il. [Also issued in committee print form.] * Paper, 70c. ● Item 996
L.C. card 67-62951

Senate executive document

Senate executive document, 90th Congress, 1st session.

- 17618 O. Convention on International Hydrographic Organization, message from President of United States transmitting convention on International Hydrographic Organization, done Monaco May 3, 1967, and signed for United States, Sept. 13, 1967; Oct. 24, 1967. 1967. vi+26 p. † Y 1.90/1: O

*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

Senate executive reports

Senate executive reports, 90th Congress, 1st session. †
Y 1.90/1: rp. (nos.)

- 17619 17. Supplementary slavery convention. Report from Committee on Foreign Relations to accompany Ex. L, 88th Cong. 1st sess. Oct. 31, 1967. 6 p.
17620 18. Tax conventions with Canada, and Trinidad and Tobago. Report from Committee on Foreign Relations to accompany Exs. B and F, 90th Cong. 1st sess. Nov. 1, 1967. 11 p.

Senate reports



NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 90th Congress. † Senate Document Room, Capitol. ● Item 1008-B

- 17621 657. Mary Bernadette Linehan. Report from Committee on Judiciary to accompany H.R. 4534. Oct. 18, 1967. 4 p.

Senate reports on public bills, 90th Congress. † Senate Document Room, Capitol. ● Item 1008-A

- 17622 575. Authorize and request the President to issue proclamation commemorating 50 years of service to the Nation by Langley Research Center. Report from Committee on Judiciary to Accompany S.J. Res. 109. Sept. 29, 1967. 3 p.
17623 586. Amending District of Columbia traffic act, 1925, as amended, and Motor vehicle safety responsibility act of District of Columbia, as amended, so as to bring within provisions of such acts any person operating motor vehicle while under influence of drug rendering such person incapable of operating motor vehicle safely. Report from Committee on District of Columbia to accompany S. 765. Oct. 6, 1967. 6 p.
17624 641. Authorizing establishment of Redwood National Park in California, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 2515. Oct. 12, 1967. 32 p. map. [Includes individual views of Mr. Anderson.] L.C. card 67-62947
17625 671. Legislative jurisdiction over lands, U.S. Naval Station, Long Beach, Calif. Report from Committee on Armed Services to accompany H.R. 11767. Oct. 19, 1967. 6 p.
17626 673. Authorizing service Secretaries to initiate allotments to uniformed savings deposit program for persons missing in action or captured by enemy. Report from Committee on Armed Services to accompany H.R. 4772. Oct. 23, 1967. 6 p.
17627 683. Conveying certain land to Squaxin Island Tribe of Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 8580. Oct. 25, 1967. 4 p.
17628 688. Survey of U.S. coastal and fresh water fishery resources. Report from Committee on Commerce to accompany S.J. Res. 103. Oct. 25, 1967. 7 p.
17629 694. Authorizing appropriation of funds for Cape Hatteras National Seashore. Report from Committee on Interior and Insular Affairs to accompany S. 561. Oct. 31, 1967. 4 p.
17630 696. Conveying certain property in Georgia. Report from Committee on Interior and Insular Affairs to accompany H.R. 5364. Oct. 31, 1967. 3 p.
17631 700. Authorizing establishment of North Cascades National Park, Ross Lake National Recreation Area, Lake Chelan National Recreation Area, designating Pasayten Wilderness, and modifying Glacier Peak Wilderness, in Washington, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 1321. Oct. 31, 1967. 42 p. ll.
17632 718. Masters' lien. Report from Committee on Commerce to accompany H.R. 162. Nov. 2, 1967. 12 p.

Aging, Special Committee on, Senate
Washington, DC 20510

- 17633 Costs and delivery of health services to older Americans, hearings before Subcommittee on Health of the Elderly, 90th Congress, 1st session. L.C. card 67-62818 Y 4.Ag 4: H 34/9/pt.1
pt. 1. June 22 and 23, 1967. 1967. iv+1-356 p. ll. * Paper, \$1.00. ● Item 1009

Agriculture and Forestry Committee, Senate
Washington, DC 20510

- 17634 World Farm Center, hearing before subcommittee, 90th Congress, 1st session, on H. Con. Res. 413, Sept. 26, 1967. 1967. ii+15 p. † ● Item 1032
L.C. card 67-62812 Y 4.Ag 8/2: W 89

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Appropriations Committee, Senate

Washington, DC 20510

- 17635 Continuing resolution, fiscal year 1968 (H.J. Res. 888), hearings, 90th Congress, 1st session, H.J. Res. 888, Oct. 9 and 20, 1967. 1967. ii+84 p. † ● Item 1033
L.C. card 67-62820 Y 4.Ap 6/2: Ap 6/5/968
- 17636 District of Columbia appropriations for fiscal year 1968, hearings before subcommittee, 90th Congress, 1st session, on H.R. 8569. † ● Item 1033
L.C. card 60-60679 Y 4.Ap 6/2: D 63/968/pt. (nos.)
- pt. 1. [Adult education center, Executive Office, general operating expenses, outside witnesses, public health, public schools, sanitary engineering, veterans' affairs]. 1967. ii+1-1578+xlii p.
- pt. 2. [Federal obligation, loans and interest, public welfare, vocational rehabilitation.] 1967. ii+1579-2573+xlii p.
- pt. 3. [Amendments requested, Bail Agency and legal aid, corrections, crime inquiry, courts, police, probation and parole, metropolitan police.] 1967. ii+2575-3708+xlii p.
- 17637 Military construction appropriations for fiscal year 1968, hearings before subcommittee of Committee on Appropriations and Committee on Armed Services, Senate, 90th Congress, 1st session, on H.R. 13606. 1967. ii+1007+xxv p. il. † ● Item 1033 & 1034
L.C. card 60-61661 Y 4.Ap 6/2: M 59/3/968

Armed Services Committee, Senate

Washington, DC 20510

- 17638 Military construction appropriations for fiscal year 1968, hearings. See Appropriations Committee, Senate.
- 17639 Nominations, hearings, 90th Congress, 1st session, on Thomas H. Nielson, of California, to be Assistant Secretary of Air Force, Price Daniel, of Texas, to be director of Office of Emergency Planning, Alfred B. Fitt, of Michigan, to be Assistant Secretary of Defense, Sept. 21 and Oct. 5, 1967. 1967. iii+18 p. † ● Item 1034
L.C. card 67-62896 Y 4.Ar 5/3: N 72/9/967-2
- 17640 Reserve components of Armed Forces and National Guard technicians, hearings, 90th Congress, 1st session, on H.R. 2, June 26-Oct. 3, 1967. 1967. iii+304 p. † ● Item 1034
L.C. card 67-62791 Y 4.Ar 5/3: R 31/19

Banking and Currency Committee, Senate

Washington, DC 20510

- 17641 Fair housing act of 1967, hearings before Subcommittee on Housing and Urban Affairs, 90th Congress, 1st session, on S. 1358, S. 2114, and S. 2280, Aug. 21-23, 1967. 1967. viii+508 p. il. [Contains copyright material.] † ● Item 1035
L.C. card 67-62802 Y 4.B 22/3: H 81/54/967
- 17642 Interstate land sales full disclosure act of 1967, hearings before Subcommittee on Securities, 90th Congress, 1st session, on S. 275, Feb. 28 and Mar. 1, 1967. 1967. vii+314 p. il. 1 tab. † ● Item 1035
L.C. card 67-62612 Y 4.B 22/3: L 22/4/967
- 17643 Rehabilitation programs, report by Department of Housing and Urban Development to Subcommittee on Housing and Urban Affairs; Aug. 1967. 1967. ix+52 p. (Committee print, 90th Congress, 1st session.) ‡
L.C. card 67-62870 Y 4.B 22/3: R 26
- 17644 Small business crime insurance, hearings before Subcommittee on Small Business, 90th Congress, 1st session, on S. 1484, Sept. 13 and 15, 1967. 1967. 1967. v+192 p. † ● Item 1035
L.C. card 67-62808 Y 4.B 22/3: Sm 1/18

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Commerce Committee, Senate
Washington, DC 20510

[Committee hearings] serial, 90th Congress. † ● Item 1041

Y 4.C 73/2: 90- (nos.)

- 17645 26. Recovery of reasonable attorney's fees, hearings before Subcommittee on Surface Transportation, 90th Congress, 1st session, on S. 858, July 17-Aug. 25, 1967. 1967. iv+151 p.
L.C. card 67-62790
- 17646 27. Track and field disputes, hearings, 90th Congress, 1st session, on current status of controversy between Amateur Athletic Union, National Collegiate Athletic Association, and other amateur athletic associations, and their affiliates, Aug. 17 and 18, 1967. 1967. iii+104 p.
L.C. card 67-62793
- 17647 29. Safety standards for certain motor vehicles, hearing, 90th Congress, 1st session, on S. 2029, Aug. 16, 1967. 1967. iii+49 p.
L.C. card 67-62792
- 17648 31. Standardization of containers, hearings before Subcommittee on Merchant Marine and Fisheries, 90th Congress, 1st session, on appropriate role of Government with respect to standard sizes of containers suggested by voluntary industry associations, July 13-17, 1967. 1967. iv+348 p. il.
L.C. card 67-62853
- 17649 32. National potato labeling act, hearing, 90th Congress, 1st session, on S. 562, Aug. 8, 1967. 1967. iii+46 p.
L.C. card 67-62898

Foreign Relations Committee, Senate
Washington, DC 20510

- 17650 Asian Development Bank special funds, hearing, 90th Congress, 1st session, on S. 2479, Oct. 3, 1967. 1967. iii+57 p. † ● Item 1039
L.C. card 67-62798 Y 4.F 76/2: As 4/6
- 17651 Tax conventions with Brazil, Canada, and Trinidad and Tobago, hearing, 90th Congress, 1st session, on Executive J, 90th Congress, 1st session, Executive B, 90th Congress, 1st session, Executive F, 90th Congress, 1st session, Oct. 5, 1967. 1967. iii+118 p. † ● Item 1039
L.C. card 67-62810 Y 4.F 76/2: T 19/7
- 17652 U.S. commitments to foreign powers, hearings, 90th Congress, 1st session, on S. Res. 151, Aug. 16-Sept. 19, 1967. 1967. iv+321+vi p. * Paper, \$1.00. ● Item 1039
L.C. card 67-62550 Y 4.F 76/2: F 76/23
- 17653 USIA Foreign Service personnel system, hearing before Ad Hoc Subcommittee on Foreign Service Information Officer Corps, 90th Congress, 1st session, on S. 633 and S. 2002, Sept. 28, 1967. 1967. iv+94 p. † ● Item 1039
L.C. card 67-62811 Y 4.F 76/2: Un 351/2

Government Operations Committee, Senate
Washington, DC 20510

- 17654 Research in service of man: Biomedical knowledge, development, and use, conference sponsored by Subcommittee on Government Research (pursuant to S. Res. 218, 89th Cong.) and Frontiers of Science Foundation of Oklahoma, held at Oklahoma City, Okla., Oct. 24-27, 1966 [proceedings, with bibliography]. 1967. ix+246 p. il. (Committee print, 90th Congress, 1st session.) ‡ Y 4.G 74/6: B 52/2
- 17655 State utility commissions, summary and tabulation of information submitted by commissions, prepared by Subcommittee on Intergovernmental Relations (pursuant to S. Res. 55, 90th Cong.); Sept. 11, 1967. 1967. vi+73 p. 6 tab. (Committee print, 90th Congress, 1st session.) ‡
L.C. card 67-62862 Y 4.G 74/6: Ut 3

Interior and Insular Affairs Committee, Senate
Washington, DC 20510

- 17656 Oahe unit, Missouri River Basin project, hearings before Subcommittee on Water and Power Resources, 90th Congress, 1st session, on S. 6, May 22 and Sept. 13, 1967. 1967. ix+231 p. [Hearings held in Redfield, S. Dak. and Washington, D.C.] † ● Item 1040
L.C. card 67-62584 Y 4.In 8/13: Oa 3

GOVERNMENT PUBLICATIONS

- 17657 Scientific programs, hearings, 90th Congress, 1st session, on scientific programs in Department of Interior, May 18, 1967. 1967. iii+147 p. il.
 † ● Item 1040
 L.C. card 67-62807 Y 4.In 8/13: Sci 2

Judiciary Committee, Senate *Washington, DC 20510*

- 17658 Civil rights act of 1967, hearings before Subcommittee on Constitutional Rights, on S. 1026, S. 1318, S. 1359, S. 1362, S. 1462, H.R. 2516 and H.R. 10805, Aug. 1-Sept. 27, 1967. 1967. v+519 p. il. [Includes copyright material.] † ● Item 1042
 L.C. card 67-62799 Y 4.J 89/2: C 49/13/967
- 17659 Competitive aspects of oil shale development, hearings before Subcommittee on Antitrust and Monopoly, 90th Congress, 1st session, pursuant to S. Res. 26.
 L.C. card 67-62855 Y 4.J 89/2: Oi 5/5/pt.1
 pt. 1. Apr. 18-May 5, 1967. 1967. v+1-636 p. il. 4 maps. † ● Item 1042
- 17660 Copyright law revision, hearings before Subcommittee on Patents, Trademarks, and Copyrights, 90th Congress, 1st session, pursuant to S. Res. 37 on S. 597.
 L.C. card 67-62380 Y 4.J 89/2: C 79/4/967/pt.3
 pt. 3. Apr. 6-12, 1967. 1967. iii+665-1042 p. il. † ● Item 1042
- 17661 Medical restraint of trade act, hearings before Subcommittee on Antitrust and Monopoly, 90th Congress, 1st session, pursuant to S. Res. 26 on S. 260.
 L.C. card 67-62819 Y 4.J 89/2: M 46/4/pt.1
 pt. 1. Jan. 24-Feb. 23, 1967. 1967. vii+1-580 p. il. * Paper, \$1.75. ● Item 1042
- 17662 Right of privacy act of 1967, hearings before Subcommittee on Administrative Practice and Procedure, 90th Congress, 1st session, pursuant to S. Res. 25 on S. 928.
 L.C. card 67-61600 Y 4.J 89/2: P 93/16/pt.2
 pt. 2. Apr. 4-May 19, 1967. 1967. v+111-753 p. il. † ● Item 1042

Labor and Public Welfare Committee, Senate *Washington, DC 20510*

- 17663 Arts and humanities amendments of 1967, hearings before Special Subcommittee on Arts and Humanities, 90th Congress, 1st session, on S. 2061.
 L.C. card 67-62822 Y 4.L11/2: Ar7/5/pt.2
 pt. 2. Aug. 15 and 16, 1967. 1967. iv+285-462 p. il. † ● Item 1043
- 17664 Education legislation, 1967, hearings before Subcommittee on Education, 90th Congress, 1st session, on S. 1125 and H.R. 7819 and related bills.
 † ● Item 1043
 L.C. card 67-61759 Y 4.L 11/2: Ed 8/22/967/pt.nos.)
 pt. 3. July 24-27, 1967. 1967. vi+909-1306 p. il.
 pt. 4. Aug. 7 and 9, 1967. 1967. vi+1307-1595 p. il.
 pt. 6. Aug. 14-15, 1967. 1967. vi+1865-2283 p. il. 1 pl.
 pt. 7. Aug. 16 and Sept. 18, 1967. 1967. v+2285-2486 p. il.
 pt. 8. Appendix A. 1967. iv+2487-3037 p. il.
- 17665 Examination of war on poverty, hearing before Subcommittee on Employment, Manpower, and Poverty, 90th Congress, 1st session. † ● Item 1043
 L.C. card 67-61640 Y 4.L11/2: P 86/4/pt. (nos.)
 pt. 12. Los Angeles, Calif., May 12, 1967. 1967. v+3743-4005 p. il.
 pt. 13. May 17-18, 1967. 1967. vi+4007-4322 p. [Hearings held in Johnstown, Pa., and Chicago, Ill.]
 pt. 14. Sparta, Wis., May 26, 1967 and miscellaneous appendix. 1967. vi+4323-4482 p.
- 17666 Mental retardation amendments of 1967, hearing before Subcommittee on Health, 90th Congress, 1st session, on S. 1099 and H.R. 6430, S. 389, Oct. 11, 1967. 1967. iv+87 p. † ● Item 1043
 L.C. card 67-62814 Y 4.L 11/2: M 52/6

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17667 Nomination, hearing, 90th Congress, 1st session, on Clifford L. Alexander, jr., New York, to be member of Equal Employment Opportunity Commission for term expiring July 1, 1972; July 27, 1967. 1967. ii+3 p. †
● Item 1043
L.C. card 67-62852 Y 4.L 11/2: N 72/5/967-6
- 17668 Notes and working papers concerning administration of programs authorized under title 3 of National defense education act [compiled by Officer of Education], prepared for Subcommittee on Education; June 1967. 1967. ix+168 p. il. (Committee print, 90th Congress, 1st session.) †
L.C. card 67-62864 Y 4.L 11/2: N 21d/4
- 17669 Older Americans community service program, hearings before Special Subcommittee on Aging, 90th Congress, 1st session, on S. 276, Sept. 18 and 19, 1967. 1967. viii+318 p. * Paper, 75c. ● Item 1043
L.C. card 67-62789 Y 4.L 11/2: O1 1/3
- 17670 Partnership for health amendments of 1967, hearings before Subcommittee on Health, 90th Congress, 1st session, on S. 1131 and H.R. 6418, S. 894, Sept. 25 and 26, 1967. 1967. vi+225 p. il. † ● Item 1043
L.C. card 67-62615 Y 4.L 11/2: H 34/14

Post Office and Civil Service Committee, Senate Washington, DC 20510

- 17671 Federal pay legislation, hearings, 90th Congress, 1st session, on S. 1489 and H.R. 7977, Oct. 2-31, 1967. 1967. v+392 p. il. † ● Item 1044
L.C. card 67-62849 Y 4.P 84/11: P 29/6/967
- 17672 Postal rates, hearings, 90th Congress, 1st session, on H.R. 7977, Oct. 16-30, 1967. 1967. vi+679 p. il. † ● Item 1044
L.C. card 67-62850 Y 4.P 84/11: P 84/8/967

Public Works Committee, Senate Washington, DC 20510

- 17673 Alaska Highway, hearing before Subcommittee on Roads, 90th Congress, 1st session, on S. 2021, Sept. 14, 1967. 1967. iv+57 p. map. † ● Item 1045
L.C. card 67-62795 Y 4.P 96/10: A1 1/6
- 17674 Applying Davis-Bacon act provisions to Government-leased buildings, hearing before Subcommittee on Public Buildings and Grounds, 90th Congress, 1st session, on S. 930, Oct. 5, 1967. 1967. iii+34 p. † ● Item 1045
L.C. card 67-62785 Y 4.P 96/10: B 86/3
- 17675 Disastrous Fairbanks, Alaska, flood of Aug. 1967, report by Senator Ernest Gruening on special on-site investigation made on Aug. 24 and 25, 1967; Sept. 1967. 1967. ix+72 p. il. 3 maps. (Committee print, 90th Congress, 1st session.) †
L.C. card 67-62878 Y 4.P 96/10: F 15
- 17676 St. Lawrence Seaway, hearings before Subcommittee on Flood Control, Rivers and Harbors, 90th Congress, 1st session, on S. 1455 and S. 2131, Aug. 29 and 30, 1967. 1967. iv+112 p. il. † ● Item 1045
L.C. card 67-62809 Y 4.P 96/10: Sa 21

Small Business, Select Committee on, Senate Washington, DC 20510

- 17677 Competitive problems in drug industry, hearings before Subcommittee on Monopoly, 90th Congress, 1st session, on present status of competition in pharmaceutical industry.
L.C. card 67-62381 Y 4.Sm 1/2: D 84/pt.2
pt. 2. June 27-Aug. 10, 1967. 1967. iii+443-831 p. il. * Paper, \$1.00. ● Item 1049
- 17678 Regional export expansion, hearings, 90th Congress, 1st session, on potentials and problems of developing small business regional export industries and institutions over next decade.
L.C. card 67-62806 Y 4.Sm 1/2: Ex 7/2/pt.1
pt. 1. Pacific Northwest, May 19 and 20, 1967. 1967. v+1-456 p. il. 2 pl. [Hearings held in Portland, Oreg.] † ● Item 1049

GOVERNMENT PUBLICATIONS

- 17679 Status and future of small business, hearings, 90th Congress, 1st session, on status and future of small business in American economy.
L.C. card 67-62685 Y 4.Sm1.2: St2/pt.2
pt. 2. Mar. 15-Apr. 6, 1967. 1967. v+409-849 p. il. † ● Item 1049

CONSUMER AND MARKETING SERVICE, Agriculture Dept. Washington, DC 20250

- 17680 Institutional meat purchase specifications for fresh pork, series 400, approved by USDA. Slightly revised Sept. 1967. [1967.] 9 p. il. 4° (Livestock Division.) * Paper, 15c. ● Item 24-N A 88.17/4: P 82/967
- 17681 United States standards for grades of canned pimientos, effective Oct. 23, 1967. 3d issue. [1967.] [2]+9 p. 4° [Published in Federal register, Sept. 22, 1967 (32 F.R. 13373). Supersedes standards which have been in effect since Aug. 16, 1955.] † A 88.6/2: P 649/967

COPYRIGHT OFFICE, Library of Congress Washington, DC 20540

- 17682 Catalog of copyright entries, 3d series, v. 19.
pts. 7-11A. Works of art, reproductions of works of art, scientific and technical drawings, photographic works, prints and pictorial illustrations, no. 2: July-Dec. 1966. 1967. ix+165-328 p. 4° * Paper, \$1.00.
● Item 798
L.C. card 6-35347 LC 3.6/6: v.19/pt.7-11A/no.2
- Catalog of copyright entries, 3d series, v. 20. * Paper, \$50.00 a yr. (including semiannual issues for pts 1-13); \$12.50 additional for foreign mailing.
LC 3.6/5: v.20/pt.(nos.)/no.(nos.)
- 17683 pts. 3-4. Drama and works prepared for oral delivery, no. 2; July-Dec. 1966. 1967. ix+97-178 p. 4° ● Item 794
L.C. card 6-35347
- NOTE.—Parts 3-4 also sold separately on subscription. * Paper, \$5.00, \$1.25 additional for foreign mailing; single copy \$2.50.
- 17684 pt. 11B. Commercial prints and labels, no. 2; July-Dec. 1966. 1967. viii+63-115 p. 4° ● Item 799
L.C. card 6-35347
- NOTE.—Part 11B also sold separately on subscription. * Paper, \$5.00 a yr., \$1.25 additional for foreign mailing; single copy \$2.50.
- 17685 pts. 12-13. Motion pictures and filmstrips, no. 2; July-Dec. 1966. 1967. ix+59-111 p. 4° ● Item 800
L.C. card 6-35347
- NOTE.—Parts 12-13 also sold separately on subscription. * Paper, \$5.00 a yr., \$1.25 additional for foreign mailing; single copy, \$2.50.

COURT OF CLAIMS Washington, DC 20006

- 17686 Cases decided in Court of Claims, Jan. 1-Feb. 28, 1967, with report of decisions of Supreme Court in Court of Claims cases, v. 178; reported by Margaret Hunter Pierce, reporter. 1967. xxiii+957 p. il. * Cloth, \$4.00. ● Item 730
L.C. card 11-11098 Ju 3.9: 178

DEFENSE DEPARTMENT Washington, DC 20301

Armed Forces Institute study guide.

- 17687 E 291.1. Study guide for physics 2, high school course; prepared by Gerald E. Buck. 1966 [published 1967]. 149 p. il. [To be used with USAFI course E 291.] † ● Item 305 D 1.10: E 291.1

Cataloging handbook H (series). (Defense Supply Agency, Defense Logistics Services Center.) [Issued with perforations.] ● Item 314-A

- 17688 4-1. Federal supply code for manufacturers, United States and Canada: Name to code; prepared by Directorate of Cataloging. Oct. 1967. viii+[744] p. 4° ([Army Dept. supply bulletin SB 708-41.] [Supersedes Oct. 1966 edition and supplements thereto, and SB 708-41, Oct. 1966, including C9, Sept. 1967 supplements.] * Paper, \$13.00 (including basic handbook and cumulative monthly supplements); \$3.25 additional for foreign mailing.
D 7.6/2: 4-1/8

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

Cataloging manual M (series).

- 17689 1-4. Federal manual for supply cataloging: chap. 4, Operating procedures. July 1967. cover title, iv+[128] p. 4° (AR 708-14; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form. Supersedes AR 708-14, Oct. 1965.] * Paper, \$1.00.
● Item 314-A D 7.6/3: 1-4/5

Defense Supply Agency handbooks DSAH (series). ‡ D 7.6/7: (nos.)

- 17690 4510.2. Terminal facilities guide, Navy, Marine Corps, and Coast Guard; Oct. 1, 1962. [1967.] [614] p. 4° ([Army Dept.] AR 55-358; [Marine Corps] MCO P4600.9; [Coast Guard] CG-376.) [Reprint including current pages from changes. Issued with perforations. Supersedes MTMB 4/OPNAVINST 4600.9/NAVMC 1185, June 18, 1958, including Changes 1-6, Apr. 17, 1959-July 29, 1961, and MTMB 6/OPNAVNOTE 4600/NAVMC 2527, Oct. 7, 1959, including Changes 1 and 2, July 14, 1960 and Jan. 3, 1961.] ● Item 314-A
- 17691 5025.4 Graphic presentation [with bibliography and references]. Oct. 1967. cover title, iv+49 p. il. 4° ● Item 314-A

Defense Supply Agency manual DSAM (series). ‡ ● Item 314-A

D 7.6/8: (nos.)

- 17692 4145.7. Preparation of freight for air shipment [with list of references]. Aug. 1967. cover title, [217] p. il. 4° (Army Dept. technical manual TM 38-236; Navy Dept. publication NAVAIR 15-01-3; Air Force Dept. pamphlet AFP 71-8; Marine Corps order MCO P4030.30.) [Issued in looseleaf form.]
- 17693 7000.1. Accounting and finance manual, Change 15. Sept. 28, 1967. [181] p. 4° [Issued in looseleaf form.]
- 17694 Federal item identification guide: Conduit, electrical. July 14, 1967. cover title, ix+[51] p. il. 4° (FIIG A027; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Text on p. 2 of cover. Issued with perforations.] * Paper, 45c. ● Item 314-A

D 7.6/4: C 75/2

- 17695 — Insulators, electrical. June 2, 1967. cover title, xix+[170] p. il. 4° (FIIG A007; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] * Paper, \$1.25.
● Item 314-A D 7.6/4: In 7/2

- 17696 — Keys and pins. July 7, 1967. cover title, [144] p. il. 4° (FIIG A212; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] * Paper, \$1.00. ● Item 314-A

D 7.6/4: K 52

- 17697 — Knobs, dials and pointers. June 9, 1967. cover title, xiii+[138] p. il. 4° (FIIG A041; Defense Supply Agency, Defense Logistic Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] * Paper, \$1.00. ● Item 314-A

D 7.6/4: K 75

- 17698 How to avoid delays in payment. Sept. 1967. cover title, 32 p. il. oblong 24° ([Defense Supply Agency.]) ‡ ● Item 314-A

D 7.6/4: P 29

- 17699 Materials handling standard time data, Change 1. Sept. 1, 1967. [27] p. 4° (DoD 5010.15.1-M; Defense Supply Agency.) [Issued with perforations.] * Paper, 20c. ● Item 314-A

D 7.6/4: M 41/ch.1

Military standard. [Issued in looseleaf form.]

- 17700 MIL-STD-411C. Aircraft station signals. Aug. 21, 1967. iv+12+[1] p. 4° (FSC 1500.) [Supersedes MIL-STD 411B, Feb. 15, 1965.] ‡
● Item 314-J D 7.10: 411C

Plastics Technical Evaluation Center, Picatinny Arsenal, Dover, N.J.: PLASTEC note.

- 17701 17. Guide to test methods for plastics and related materials; by Norman E. Beach. Aug. 1967. vi+73+[3] p. 4° [Issued with perforations.]
Φ Paper, \$3.00. D 4.11/2: 17

— PLASTEC report.

- 17702 31. Subject index, bibliography, and code description of technical conference papers on plastics, Mar. 10, 1966-May 18, 1967; by Joan B. Titus and Arnold E. Molzou. July 1967. vii+146+[3] p. 4° [Issued with perforations.] Φ Paper, \$3.00.
L.C. card 62-61556 D 4.11: 31

ΦFor Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Self-study statistical sampling course. [1967.] (Defense Contract Audit Agency.) [Issued with perforations.] ‡ ● Item 306
D 1.2: St 2/3/unit(nos.)

- 17703 Unit 1: [lesson 1-7]. cover title, [81] p. 4°
17704 Unit 3: [lesson 11-14]. cover title, [47] p. 4°

Shock and vibration monograph series. (Shock and Vibration Information Center.)

- 17705 1. Random noise and vibration in space vehicles [with bibliography; by] Richard H. Lyon, Bolt Beranek and Newman Inc. 1967. v+68 p. il. ([Contract N00014-66-C0271.]) * Cloth, \$1.50. ● Item 310-A
L.C. card 67-62274 D 1.42:1

- 17706 Teaching in Armed Forces, Protestant religious education program [with annotated bibliography for use in leadership training program]. Revised [edition]. [1967.] cover title, 73 p. ‡ ● Item 306 D 1.2: T 22

- 17707 USAFI bulletin 3; Oct. 1967. [1967.] cover title, [47] p. 4° (United States Armed Forces Institute.) [Issued with perforations.] ‡
D 1.10/3: 967/no.3

ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept. Washington, DC 20230

- 17708 EDA, program to help build communities with jobs, address by Deputy Assistant Secretary of Commerce for Economic Development Operations Lambert S. O'Malley, prepared for delivery before Pittsburgh Commerce Institute, Pittsburgh, Pa., Nov. 17, 1967. 1967. 16 p. 4° ([US/COMM/DC/28188.]) ‡
C 46.11: Om 1

ECONOMIC OPPORTUNITY OFFICE, Executive Office of the President, Washington, DC 20506

- 17709 Beautiful junk [with suggested bibliography; by Dianne Warner and Jeanne Quill]. [1967.] cover title, 12 p. il. 4° ([H-38]; Project Head Start.) ‡ ● Item 857-H PrEx 10.2: J 96

ECONOMIC RESEARCH SERVICE, Agriculture Dept. Washington, DC 20250

Agricultural economic reports. ● Item 42-C A 93.28:(nos.)

- 17710 122. Aspirations and expectations of rural poor, guide to research [with bibliography; by Walter L. Slocum]. [Oct. 1967.] ii+37 p. 4° * Paper, 25c.
L.C. card Agr 67-379

- 17711 123. Rural industrialization in Ozarks, case study of new shirt plant at Gassville, Ark.; [by Max F. Jordan]. [Nov. 1967.] iv+23 p. il. 4° [Prepared in cooperation with Arkansas Agricultural Experiment Station, University of Arkansas.] * Paper, 25c.
L.C. card Agr 67-384

ERS (series).

- 17712 358. Differential assessment of farmland near cities, experience in Maryland through 1965; [by Peter W. House]. [Oct. 1967.] iv+40 p. il. 4° ‡
L.C. card Agr 67-370 A 93.21: 358

ERS-foreign (series).

- 17713 190. Brazil's position in world agricultural trade [with bibliography; prepared by Howard A. Osborn, and others]. [Oct. 1967.] cover title, iv+133 p. 4° [Map on p. 2 of cover, and p. 133, last page of text, on p. 3 of cover.] ‡ ● Item 76-G
L.C. card Agr 67-397 A 93.21/2: 190

Foreign agriculture economic report.

- 17714 36. Agricultural policies in Western Hemisphere; [by Gae A. Bennett and others]. [Oct. 1967.] cover title, ii+55 p. 4° ([Western Hemisphere Branch, Foreign Regional Analysis Division.]) [Page 55, last page of text, is on inside of back cover.] * Paper, 40c. ● Item 42-B
L.C. card Agr 67-392 A 93.27: 36

*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

**EDUCATION OFFICE, Health, Education, and Welfare Dept.
Washington, DC 20202**

- 17715 Academic & financial status of graduate students, spring 1965; [by] J. Scott Hunter. [1967.] vii+57 p. 4° ([OE-54042; National Center for Educational Statistics, Division of Statistical Analysis.]) †
● Item 460-A-54
L.C. card HEW 67-160 FS 5.254:54042
- 17716 Changing pecking order, address by Harold Howe II, Commissioner of Education, Department of Health, Education, and Welfare, before College Entrance Examination Board, Chicago, Ill., Oct. 24, 1967. [1967.] 14 leaves, 4° † FS 5.8:H 83/41
- 17717 In educating for 21st century manpower needs, tomorrow is now; [by] Howard A. Matthews. [1967.] [4] p. il. large 4° (OE 87024.) [Reprinted from American education, June 1967.] * Paper, 10c. ● Item 460-A-87 FS 5.287:87024
- 17718 Manual of information and instructions for use by institutions of higher education in preparation and submission of proposals, Higher education facilities act of 1963, Public law 88-204, as amended, title 2, graduate academic facilities program. July 1967. [2]+20 p. 4° † ● Item 461-A (Rev. 1965). FS 5.6/2:In 7
- 17719 New directions in vocational education, case studies in change; [prepared by Bernard Asbell]. [1967.] [7]+55 p. il. (OE-80047; Bureau of Research.) [Prepared under contract OE C-1-6-0004-32-0432.] * Paper, 30c. ● Item 400-A-80
L.C. card HEW 67-159 FS 5.280:80047
- 17720 Office of Education research reports 1956-65, resumes; [prepared by] Educational Research Information Center (ERIC). [June 1967.] cover title, [6]+326+[5] p. oblong 12° ([OE-12029; Bureau of Research, Division of Information, Technology, and Dissemination.]) * Paper, \$1.75. ● Item 460-A-12
L.C. card HEW 67-155 FS 5.212:12029
- 17721 One million dropouts, Sputnik of 1967, in every community there are people willing to help but schools must take initiative; by Hubert H. Humphrey. [1967.] [2] p. il. large 4° (OE 20105.) [Reprinted from American education, Sept. 1967.] * Paper, 5c. ● Item 460-A-20
FS 5.220:20105
- 17722 Organizing food training program [with list of related vocational education publications; prepared by John J. McAllister]. [1967.] viii+28 p. 4° ([OE-84033; Manpower Development and Training program.]) [Text on p. 2 of cover. Revision of booklet Training for quantity food preparation, appearing in 1956 through efforts of Council on Hotel, Restaurant, and Institution Education, National Restaurant Association and American Hotel-Motel Association.] * Paper, 30c. ● Item 460-A-84
L.C. card HEW 67-156 FS 5.284:84033
- 17723 Pacesetters in innovation [v. 1], fiscal year 1966, title 3, Supplementary centers and services program, Elementary and secondary education act of 1965. [1967.] [440] p. oblong 12° (OE-20103; PACE, projects to advance creativity in education; ERIC, Educational Resources Information Center.) [Developed in cooperation with Bureau of Research through services of Educational Resources Information Center. Text on p. 2 of cover. Back title is: Pacesetters in innovation, July 1967, v. 1. Supersedes Pacesetters in innovation, v. 1, issues 1-4.] * Paper, \$2.50. ● Item 460-A-20
L.C. card HEW 66-105 FS 5.220:20103
- 17724 Public school finance program, 1966-67 [State compilations; by] S. Kern Alexander [and Albert R. Munse]. [1967.] [345] p. oblong 12° (Bureau of Elementary and Secondary Education, Division of State Agency Cooperation.) [Prepared in cooperation with State departments of Education.] †
L.C. card HEW 67 161 FS 5.73/2:966 67

GOVERNMENT PUBLICATIONS

- 17725 Status of compliance, public school districts, 17 Southern and border States, report no. 7. Sept. 1967, cover title, ii+88 p. 4° (Office for Civil Rights.) † ● Item 467-C FS 5.80:7
- 17726 Teens sound off, faculty listens to students' serious evaluation of Lake Oswego high school; by John Guernsey. [1967.] [4] p. il. large 4° (OE 20107.) [Reprinted from American education, Sept. 1967.] * Paper, 15c. ● Item 460-A-20 FS 5.220:20107

EMPLOYMENT SECURITY BUREAU, Labor Dept. Washington, DC 20210

BES (series).

- 17727 U-141. Comparison of State unemployment insurance laws, Revision 3, series 1. Aug. 31, 1967. [143.] p. [Issued in looseleaf form.] * Paper, 60c. ● Item 752-B L 7.61: U-141/965/rev.series 1/3
- 17728 Housing handbook, guide to improved farm worker housing [with lists of publications; prepared by] Office of Farm Labor Service. [1967.] [6]+62 p. il. 4° [Space has been provided on inside back cover for local address most frequently used.] † ● Item 756-B L.C. card 67-62710 L 7.25/3: H 81

Industry manpower surveys.

- 17729 113. Blast furnaces, steelworks, rolling mills; [prepared by Alan L. Moss]. Sept. 1967, cover title, iv+16 p. il. 4° ([United States Employment Service.]) † L 7.49: 113

ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, DC 20310, Attention Publications Office.

- 17730 Bristol Harbor, R.I., letter from Chief of engineers, Army, submitting report on review of reports; Oct. 11, 1967. [1967.] xi+52 p. 1 pl. 4° [Also issued as H. Doc. 174, 90th Cong., 1st sess.] † ● Item 334-A D 103.22: B 77
- 17731 Lake Chicot, Ark., letter from chief of engineers, Army, submitting report on review of report; Sept. 20, 1967. 1967. xxx+149 p. il. 3 pl. 4° [Also issued as H. doc. 168, 90th Cong., 1st sess.] † ● Item 334-A D 103.22: L 14c
- 17732 Little Blue River, vicinity of Kansas City, Mo., letter from chief of engineers, Army, submitting report on review of report; Sept. 21, 1967. [1967.] xxii+143 p. il. 2 pl. 4° [Also issued as H. doc. 169, 90th Cong., 1st sess.] † ● Item 334-A D 103.22: L 72b/2
- 17733 Norwalk River basin, Conn. and N.Y., letter from chief of engineers, Army, submitting report on interim report; Oct. 16, 1967. 1967. xvii+50 p. 2 pl. 4° [Also issued as S. doc. 51, 90th Cong., 1st sess.] † ● Item 334-A D 103.22: N 83

Ohio River Division Laboratories: Technical report.

- 17734 4-67. Development study for helipad standard marking pattern [final report]; by T. H. Morrow, jr. Sept. 1967. [3]+ix+38+[54] p. il. 4° [Prepared in coordination with Office, Chief of Engineers and Federal Aviation Administration. Includes Technical report 4-55, Development of helipad marking configuration, interim report, by R. E. McKenzie.] † D 103.38: 4-67

Regulations ER (series). [Issued in looseleaf form.]

- 17735 500-1-1. Emergency employment of Army resources: Natural disaster activities [with list of references and bibliography]. Sept. 1 [1967]. cover title. [1]+v+65+[76] p. il. 4° [Rescinds EM 500-1-1, Aug. 1, 1961.] † ● Item 341 D 103.6/4: 500-1-1

Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, MS. (price upon application).

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

— Miscellaneous paper.

- 17736 6-911. Influence of reinforcing details on yield line pattern and ultimate load-carrying capacity of reinforced concrete slabs [with bibliographies]; by H. G. Geymeyer, J. E. McDonald, Army-MRC Vicksburg, Miss., Aug. 1967. xiii+28+[72] p. il. 4° [Sponsored by Assistant Secretary of Army (R&D), Department of Army; project 4A013001A91D.] †
D 103.24/4: 6-911

— Technical report.

- 17737 2-795. Arkansas River navigation entrance, hydraulic model investigation; by J. J. Franco, L. J. Shows, J. E. Foster, Army-MRC Vicksburg, Miss., Sept. 1967. x+24+[28] p. il. 4° [Sponsored by U.S. Army Engineer District, Vicksburg and Little Rock.] †
D 103.24/2: 2-795

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, Commerce Dept., Washington, DC 20235

- 17738 Greatest storm on earth, hurricane [with hurricane bibliography]. [1967.] 40 p. il. oblong 8° ([ESSA/PI 670005.]) * Paper, 45c. ● Item 208-B-1
L.C. card 67-62960 C 52.2: H94
- 17739 Winter storms. [1967.] [8] p. il. ([ESSA/PI 670020.]) [Includes list of winter storm safety rules.] * Paper, 15c. ● Item 208-B-1 C 52.2: St7

FEDERAL AVIATION ADMINISTRATION, Transportation Dept. Washington, DC 20553

- 17740 Air traffic patterns for IFR and VFR aviation, calendar year 1966; [compiled by Publication and Service Branch, Information and Statistics Division, Office of Management Services]. [1967.] cover title, v+160 p. 4° † ● Item 431-C-1
L.C. card 68-60136 TD 4.19/2: 966
- 17741 America's airport beautification awards program. [1967.] [12] p. il. oblong 12° † ● Item 431-C-8 TD 4.2: A17
- 17742 Category 2 operations, general aviation airplanes; [effective Aug. 7, 1967]. [1967.] cover title, [83] p. (Advisory circular AC 91-16.) [Issued with perforations.] † ● Item 431-C-4 TD 4.8: A17/2
- Federal aviation regulations. [Issued in looseleaf form.] ● Item 431-C-13
- 17743 pt. 13. Enforcement procedures. [1967.] cover title, [19] p. 4° [Consolidated reprint incorporates Changes 1-6.] * Paper, 25c. TD 4.6: 13
- 17744 pt. 37. Technical standard order authorizations, Change 1; [effective] Feb. 10 [and] Mar. 24, 1967. [1967.] [56] p. il. 4° [Incorporates amendments 37-9 through 37-12.] † FAA 1.6/8: 37/2/ch.1
- 17745 pt. 39, v. 2. See below, Summary of airworthiness directives for large aircraft.
- 17746 pt. 47. Aircraft registration, Change 4, [effective] Sept. 29, 1967. [1967.] [14] p. 4° [Incorporates Amendments 47-4 and 47-5.] † TD 4.6: 47/ch.4
- 17747 Maintenance inspection notes for Douglas DC-6/7 series aircraft; [effective] Aug. 24, 1967. [1967.] cover title, [69] p. il. 4° (Advisory circular AC 20-52.) [Issued in looseleaf form.] † ● Item 431-C-4 TD 4.8: D74
- 17748 Summary of airworthiness directives for large aircraft. [Jan. 1, 1967.] cover title, [533] p. il. 4° (Federal aviation regulations, pt. 39, v. 2.) [Incorporates all current airworthiness directives through Dec. 1966. Issued in looseleaf form.] * Paper, \$6.00 (including basic manual and quarterly supplements for an indefinite period); \$1.25 additional for foreign mailing. ● Item 431-A-15 TD 4.10/3: 967
- 17749 United States civil aircraft register, July 1, 1967. cover title, vi+[54]+1599 p. 4° (AC 20-6H; Aeronautical Center, Data Services Division.) [Semiannual.] * Paper, \$7.25. ● Item 431-F-5 TD 4.18/2: 967-2
L.C. card 63-65041

FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

- 17750 Federal Communications Commission reports, decisions and reports, v. 21, July 1-Dec. 31, 1956. 1967. xvi+1016 p. * Cloth, \$3.50. ● Item 284
L.C. card 36-26605 C C 1.12: 21

✦For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 31

GOVERNMENT PUBLICATIONS

- 17751 Report of telephone and telegraph committees of Federal Communications Commission in domestic telegraph investigation, docket no. 14650, Apr. 29, 1966. [1967.] vii+335 p. il. † ● Item 285 CC 1.2: T236/14

FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY Washington, DC 20506

ICO pamphlets. (Interagency Committee on Oceanography.)
Y 3.F31/16: 9/ (nos.)

- 17752 30. University curricula in marine sciences, academic year 1967-68 [with bibliography]. Aug. 1967. [2]+xi+157 p. 4° [Prepared for National Council on Marine Resources and Engineering Development.] † ● Item 1061-B
- 17753 31. Oceanographic ship operating schedules, fiscal year 1968. July 1967. [5]+59 p. map, 4° [Published for National Council on Marine Resources and Engineering Development.] † Interagency Committee on Oceanography, Biological Laboratory, Building 74, Navy Yard Annex, Washington, DC 20390
L.C. card 63-61746

FEDERAL CREDIT UNIONS BUREAU, Health, Education, and Welfare Dept., Washington, DC 20201

- 17754 Federal credit union program, annual report 1966. [1967.] cover title, [5]+97 p. il. 4° ([FCU-561.]) † ● Item 525
L.C. card 51-23782 FS 3.301: 966

FEDERAL HOME LOAN BANK BOARD Washington, DC 20552

- 17755 [Address by Robert L. Rand, member, Federal Home Loan Bank Board, at 24th annual meeting of National League of Insured Savings Associations, San Francisco, Calif., Oct. 23, 1967.] 1967. 2+15 p. 4° †
FHL 1.23: R15/2
- 17756 Current issues and policies, remarks prepared for delivery by John E. Horne, Chairman, Federal Home Loan Bank Board, at 75th annual convention of United States Savings and Loan League, San Francisco, Calif., Nov. 13, 1967. [1967.] 2+17 p. 4° ([Office of Public Affairs.]) †
FHL 1.23: H78/11

FEDERAL HOUSING ADMINISTRATION, Housing and Urban Development Dept., Washington, DC 20411

- 17757 FHA regulations [Home mortgage regulations, amendment to sec. 221.60]. [1967.] [4] p. ([FHA 3000-56.]) [Includes Home regulations transmittal 56, Aug. 29, 1967. Issued in looseleaf form.] †
HH 2.6: M 84/7/964/trans.56

FEDERAL POWER COMMISSION Washington, DC 20426

- 17758 Cumulative index-digest to opinions, decisions and orders of Federal Power Commission, v. A., Jan. 1931-Dec. 1957. 1967. xxiii+341 p. * Cloth \$2.00. ● Item 438
FP 1.20: ind/v.A
- 17759 Federal power act, June 1, 1967. 1967. v+167 p. * Paper, 45c. ● Item 437
L.C. card 35-26948 FP 1.5: P87/967
- FPC S (series).
- 17760 183. Statistics for interstate natural gas pipeline companies, 1966, compiled from annual reports submitted by interstate natural gas pipeline companies, pursuant to requirements of Natural gas act, classes A and B companies: [prepared of Office of Accounting and Finance]. July 1967. xxiv+[113] p. il. 4° * Paper, 75c. ● Item 440
L.C. card 44-40870 FP 1.21: 183

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

FEDERAL RADIATION COUNCIL
Washington, DC 20449

Report.

- 17761 S. Guidance for control of radiation hazards in uranium mining [with list of references]. Revised Sept. 1967. [1967.] iv + 60 p. il. 4° (Staff report.) * Paper, 40c. ● Item 1063-E
L.C. card 67-62932 Y 3.F31/17: 8/8

FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS
Washington, DC 20551

- 17762 Federal reserve par list, Oct. 1967 (locations of banks upon which checks will be received by Federal Reserve Banks and Branches for collection and credit). [1967.] [2]+39+[1] p. il. 4° [Supersedes Oct. 1966 issue and supplements thereto.] † FR 1.9: 967

FEDERAL SUPPLY SERVICE, General Services Administration
Washington, DC 20405

- 17763 Federal specifications. ● Item 563 GS 2.8:

NOTE.—These specifications are now so completely covered by the Index of Federal specifications, standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.

Complete information on the Index of Federal specifications will be found in the Appendix to the February 1967 issue of the Monthly Catalog under Entry number 3409 and in the April 1967 issue under Entry number 6335.

Federal standards. Issued with perforations. ● Item 563 GS 2.8/3:(nos.)

NOTE.—Federal standards may be purchased from the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, DC 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.

- 17764 262. Light, desk. Apr. 26, 1967. 1 p. 4° (FSC 6230.) [Fed specs. W-L-310, W-L-311, and W-L-312, issues in effect. Supersedes Fed. std. 00249 (GSA-FSS), Feb. 9, 1966, 00250 (GSA-FSS), Feb. 9, 1966, and 00251 (GSA-FSS), Feb. 9, 1966.] † Paper, 5c. ● Item 563 GS 2.8/3: 262

FEDERAL WATER POLLUTION CONTROL ADMINISTRATION,
Interior Dept., Washington, DC 20242

- 17765 Fish kills by pollution, 1966 7th annual report. [1967.] 16 p. il. oblong 12° ([CWA-7 1967.]) [Text on p. 3 of cover.] * Paper, 20c. ● Item 496-C I 67.9: 966
- 17766 Selected summaries of water research. Oct. 1967. 6 p. 4° (Research and Development, Cincinnati Water Research Laboratory, Cincinnati, Ohio.) † I 67.12: 967/2
- 17767 Water pollution control directory. Sept. 1967. [16] p. il. oblong 24° † ● Item 473-A-1 I 67.2: D62/967
- 17768 What you can do about water pollution. [June 1967.] [2] p. il. oblong 8° folded into 8° size. (CWA-S.) [Illustrations are colored.] * Paper 10c. ● Item 473-A-1 I 67.2: P76

FISH AND WILDLIFE SERVICE, Interior Dept.
Washington, DC 20240

C.F.S. (series). (Bureau of Commercial Fisheries.) † ● Item 610-A I 49.8/2:(nos.)

- 17769 4288. Oregon landings, 1965, annual summary. [Oct. 1967.] 2 p. il. 4° [Prepared in cooperation with Fish Commission of Oregon, Portland, Oreg.]
- 17770 4491. Maryland landings, 1966, annual summary. [Oct. 1967.] 11 p. il. 4° [Prepared in cooperation with Maryland Department of Chesapeake Bay Affairs, Annapolis, Natural Resources Institute, Solomons, Potomac River Fisheries Commission, Colonial Beach, Va.]
- 17771 4513. North Carolina landings, 1966, annual summary. [1967.] 8 p. il. 4° [Prepared in cooperation with North Carolina Department of Conservation and Development, Division of Commercial Fisheries, Morehead City, N.C.]

GOVERNMENT PUBLICATIONS

Circulars. (Bureau of Commercial Fisheries.) † I 49.4:(nos.)

- 17772 266. West German research vessel Walther Herwig; by Ernest D. McRae, Jr. Sept. 1967. [1]+iii+23 p. il. 4° ● Item 609
- 17773 268. Report of Bureau of Commercial Fisheries, Biological Laboratory, Galveston, Tex., fiscal year 1966 [with list of publications]. Sept. 1967. iii+43 p. il. 4° [Contribution 226, Bureau of Commercial Fisheries, Biological Laboratory, Galveston, Tex.] ● Item 609
L.C. card 66-62912

Fishery leaflet. (Bureau of Commercial Fisheries.)

- 17774 604. Graduate educational grants, academic year 1968-69. Sept. 1967. [2]+5 p. il. 4° ([MS.1707.]) † I 49.28:604

Refuge leaflets. † I 49.44:(nos.)

- 17775 36. Great Meadows National Wildlife Refuge. [July 1967.] 4 p. il. 4°
- 17776 52. Kirwin National Wildlife Refuge. [Aug. 1967.] 4 p. il. 4°
- 17777 101. Birds of Cape Romain National Wildlife Refuge. [Sept. 1967.] 4 p. 4°
- 17778 118. Birds of Seney National Wildlife Refuge. [Aug. 1967.] 4 p. il. 4°
- 17779 124. Birds of Santa Ana National Wildlife Refuge. [Aug. 1967.] 4 p. 4°
- 17780 150. Birds of Florida Keys national wildlife refuges. [Aug. 1967.] 4 p. 4°
- 17781 166. Birds of Delta National Wildlife Refuges. [Aug. 1967.] 4 p. 4°
- 17782 537. Washita National Wildlife Refuge. [Aug. 1967.] [4] p. il. 4°

Research report.

- 17783 72. Bibliography on blood chemistry of fishes; by Joseph B. Hunn. [1967.] [2]+32 p. large 8° (Bureau of Sport Fisheries and Wildlife.) * Paper, 25c. ● Item 614
L.C. card 67-62929 I 49.26:72

Resource publications. (Bureau of Sport Fisheries and Wildlife.) I 49.66:(nos.)

- 17784 25. Annual report for 1965, Divisions of Fishery Services; prepared by Edward C. Kinney. June 1966. vi+54 p. il. 4° †
L.C. card 62-64893
- 17785 45. National wildlife refuges, 1967. [1967.] cover title, 16 p. il. 4° [Map on inside back cover.] * Paper, 25c. ● Item, 613-B
L.C. card 66-60495

Special scientific report: Wildlife (series). (Bureau of Sport Fisheries and Wildlife.)

- 17786 107. Test of grit types in alleviating lead poisoning in mallards [with list of literature cited]; by Alfred J. Godin. June 1967. ii+9 p. 4° * Paper, 15c. ● Item 614-C I 49.15/3:107

Technical papers of Bureau of Sport Fisheries and Wildlife.

- 17787 15. Brook trout of Great Smoky Mountains National Park [with list of literature cited]; by Robert E. Lennon. Aug. 1967. 18 p. 4° * Paper, 20c. ● Item 615-A I 49.68:15

Wildlife leaflet. (Bureau of Sport Fisheries and Wildlife.)

- 17788 477. Big game inventory for 1966; compiled in Bird and Mammal Laboratories Division of Wildlife Research. Sept. 1967. 4 p. 4° † I 49.13:477

FLIGHT STANDARDS SERVICE, Transportation Dept. Washington, DC 20553

- 17789 Ground instructor examination guide, basic-advanced. Revised [edition]. 1967. [1]+ii+60 p. il. 4° ([Advisory circular]; AC 143-1B.) [Includes list of recommended study materials. Accompanied by World aeronautical chart 405, 31st edition, dated Feb. 14, 1962, 22 x 30 in., chart is colored.] * Paper, \$1.00. ● Item 431-F-3 TD 4.408:G 91

FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20201

FDA publication.

- 17790 2. Requirements of United States food, drug, and cosmetic act. [Revised Sept. 1967. [1967.] cover title, vii+56 p. [Includes lists of related governmental and nongovernmental publications. Text on p. 2 of cover.] * Paper, 25c. ● Item 475-A FS 13.111:2/5
- 17791 LSD, the false illusion, pt. 2; [by Lewis P. Lasher]. [1967.] [8] p. il. 4° [Reprint from FDA papers, Sept. 1967.] * Paper, 10c. FS 13.128/a: L 959/pt.2

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

FOREIGN AGRICULTURAL SERVICE, Agriculture Dept.
Washington, DC 20250

[Foreign Agricultural Service, miscellaneous] FAS-M (series).

- 17792 194. Greek canned deciduous fruit industry; [by Frank A. Padovano]. Oct. 1967. iv+12 p. il. 4° ([Fruit and Vegetable Division.]) †
L.C. card Agr 67-371 A 67.26: 194

FOREST SERVICE, Agriculture Dept.
Washington, DC 20250

Forest pest leaflets. † ● Item 82-A A 13.52: (nos.)

- 17793 2. Mountain pine beetle [with list of references]; by George R. Struble and Phillip C. Johnson. June 1955, revised July 1967. [1967.] 4 p. il.
17794 21. White-pine weevil [with list of references]; by H. J. MacAloney. June 1958, revised Aug. 1967. [1967.] 7 p. il.
L.C. card Agr 67-391
17795 95. Boxelder bug [with list of references]; by Edward H. Wollerman. Revised Sept. 1967. [1967.] 6 p. il.
L.C. card Agr 67-398
17796 107. *Florinia externa* Ferris, scale insect of hemlock [with list of references]; by Robert L. Talerico, Charles W. McComb, and Wallace T. Garrett. Oct. 1967. 4 p. il.
L.C. card Agr 67-375
17797 Important insect outbreaks in Oregon and Washington in 1967; by R. E. Dolph and L. F. Pettinger. Oct. 9, 1967. 9 p. map, 1 tab. 4° (R-6.)
[Map is colored.] † A 13.2: In 7/4/967
17798 More timber, more jobs 1967, State and private forestry, southeastern area. [1967.] cover title, 12 p. il. 4° [Text and other illustrations on p. 1, 2, and 4 of cover.] † A 13.2: T 48/38
17799 Recreation facilities, personal history of their development in national forests of California [with list of selected references; by] Earl E. Bachman. 1967. cover title, [4]+52 p. il. 4° (Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.) † A 13.62/2: R 24/3
17800 Report 1966, Northeastern Forest Experiment Station. [1967.] cover title, [1]+98 p. il. [Abstract cards inserted.] †
L.C. card 53-61877 A 13.42/1: 966

Research note NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.) † A 13.79: NE-(nos.)

- 17801 NE-55. Land disturbances from strip-mining in eastern Kentucky: 2, Princess Coal Reserve District; [by William T. Flass]. 1967. 8 p. il.
17802 NE-56. Visible dormant buds as related to tree diameter and log position; [by H. Clay Smith]. 1967. 4 p. il.
17803 NE-57. Pruning open-grown black cherry; [by T. J. Grisez]. 1967. 7 p. il.
17804 NE-58. Treatments needed to regenerate yellow-poplar in New Jersey and Maryland [with list of literature cited; by S. Little]. 1967. 8 p.

Research paper, INT-(series). (Intermountain Forest and Range Experiment Station, Ogden, Utah.) † A 13.78: INT-(nos.)

- 17805 INT-40. Ponderosa pine bibliography through 1965; compiled by Elvera A. Axelton. 1967. [2]+150+[1] p. 4° [Illustration and map on p. 1 and 2 of cover.]
17806 INT-41. Technique for sampling general fish habitat characteristics of streams; by Roscoe B. Herrington and Donald K. Dunham. 1967. [3]+12 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]

Resource bulletin NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.) † A 13.80: NE-(nos.)

- 17807 NE-6. Pulpwood production in Northeast, 1965, revised Table 2. [1967.] [3] p. oblong 24° [Supersedes original table 2.]
17808 NE-7. Timber resources of Maryland; [by Roland H. Ferguson]. 1967. cover title, [2]+93 p. il. [Abstract cards inserted. Two illustrations are colored.]

Resource bulletin SO-(series). (Southern Forest Experiment Station.)

- 17809 SO-9. Southern pulpwood production, 1966; [by] Dwane D. Van Hooser and Joe F. Christopher. 1967. [2]+23 p. il. 4° [Prepared in cooperation with Southeastern Forest Experiment Station and Southern Pulpwood Conservation Association. Text on p. 2 of cover; p. 23 of text is p. 3 of cover.] †
L.C. card 66-61404 A 13.80: SO-9

GOVERNMENT PUBLICATIONS

GENERAL ACCOUNTING OFFICE

Washington, DC 20548

- 17810 Report to Congress of United States: Actions to improve financial management system of United States Army Tank-Automotive Command, Warren, Mich., Department of Army; by Comptroller General of United States. Oct. 1967. cover title, [3] leaves+37 p. 4° † Paper, \$1.00.
L.C. card 67-62891 GA 1.13: F 49/4
- 17811 — Need for more effective guidance to States in establishing rates of payment for nursing home care provided to welfare recipients, Social and Rehabilitation Service, Department of Health, Education, and Welfare; by Comptroller General of United States. Oct. 1967. cover title, [3] leaves+46 p. 4° † Paper, \$1.00.
L.C. card 67-62892 GA 1.13: N 93/3
- 17812 — Observations on United States balance-of-payments position; by Comptroller General of United States. Oct. 1967. cover title, [6] leaves+149 p. 4° † Paper, \$1.00.
L.C. card 67-62834 GA 1.13: B 18
- 17813 — Review of validity of and controls over large volume of unfilled orders for Air Force materiel, Department of Air Force; by Comptroller General of United States. Oct. 1967. cover title, [4] leaves+32 p. 4° † Paper, \$1.00.
L.C. card 67-62893 GA 1.13: Ai 7/85
- 17814 — Savings available through more frequent payments on college housing loans, Housing Assistance Administration, Department of Housing and Urban Development; by Comptroller General of United States. Oct. 1967. cover title, [3] leaves+13 p. 4° † Paper, \$1.00.
L.C. card 67-62894 GA 1.13: C 68/2
- 17815 — Substantial savings available by eliminating low-cost, low-demand spare parts from defense supply system, Department of Navy and Defense Supply Agency; by Comptroller General of United States. Oct. 1967. cover title, [3] leaves+31 p. 4° † Paper, \$1.00.
L.C. card 67-62895 GA 1.13: Sp 2/24

GENERAL SERVICES ADMINISTRATION

Washington, DC 20405

- 17816 Federal Fire Council, minutes of annual meeting, Apr. 5, 1967, missile silo fire at Little Rock AFB, Ark., and fire protection problems for special atmospheres including oxygen [with bibliography]. [1967.] cover title, iii+37 p. il. 4° †
L.C. card 50-33430 GS 1.14/3: 967

GEOLOGICAL SURVEY, Interior Dept.

Washington, DC 20405

- | | | | |
|-------|------------|---|----------------|
| | Bulletins. | ● Item 620 | I 19.3: (nos.) |
| 17817 | 1247. | Low-temperature reaction zones and alpine ultramafic rocks of California, Oregon and Washington [with list of references cited]; by Robert G. Coleman. 1967. iv+49 p. il. * Paper, 25c.
L.C. card GS 67-282 | |
| 17818 | 1248. | Selected X-ray crystallographic data, molar volumes, and densities of minerals and related substances [with list of references]; by Richard A. Robie, Phillip M. Bethke, and Keith M. Beardsley. 1967. iv+87 p. * Paper, 35c.
L.C. card 67-276 | |
| 17819 | 1250. | Glossary of uranium and thorium-bearing minerals; by Judith W. Frondel, Michael Fleischer, and Robert S. Jones. 4th edition. 1967. iii+69 p. [List of uranium- and thorium-containing minerals, with data on composition, type of occurrence, chemical classification, and synonymy.] * Paper, 30c. | |
| 17820 | 1254-B. | Cretaceous and lower Tertiary stratigraphy in west-central Puerto Rico [with list of references]; by Peter H. Mattson. 1967. iii+35 p. il. [Prepared in cooperation with Commonwealth of Puerto Rico Economic Development Administration, Industrial Research Department. Contributions to stratigraphy.] * Paper, 20c. | |

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17821 1260-A, B. Summary report on geology and mineral resources of: Salt Creek area, Bitter Lake National Wildlife Refuge, Chaves County, N. Mex. [with list of references cited], by George O. Bachman; Bosque del Apache National Wildlife Refuge, Socorro County, N. Mex. [with list of references cited], by George O. Bachman and Ronald B. Stotemeyer. 1967. vii+10+iii+9 p. il. [Compilation of available geologic information. Studies related to wilderness-wildlife refuges.] * Paper, 15c.
- 17822 Pacific Northwest water resources summary, annual summary, water year 1967. [1967.] 22 p. il. 4° [Provisional data subject to revision. Prepared in collaboration with Water Survey of Canada. Issued with perforations.] †
L.C. card 62-4280 I 19.46: 967
- Professional papers. ● Item 624 I 19.16: (nos.)
- 17823 422-K. Erosion and deposition produced by flood of Dec. 1964 on Coffee Creek, Trinity County, Calif. [with list of references cited]; by John H. Stewart and Valmore C. LaMarche, jr. 1967. iii+22 p. il. 2 pl. in pocket, 4° [Physiographic and hydraulic studies of rivers.] * Paper, \$1.00.
- 17824 522. Areal geology of western Mojave Desert, Calif. [with list of references cited]; by Thomas W. Dilbee, jr. 1967. vii+153 p. il. 4 pl. in pocket, 4° [Contribution to west coast earthquake investigations. 2 plates are colored.] * Paper, \$2.75.
L.C. card GS 67-202
- 17825 524-I. Bedrock geology of Shin Pond and Stacyville quadrangles, Penobscot County, Maine [with list of references]; by Robert B. Neuman. 1967. iii+37+[3] p. il. 3 pl. in pocket, 4° [Description of lower Paleozoic stratigraphy and structure east of Mount Katahdin. Shorter contributions to general geology. Includes title page and table of contents to Bulletin 524. Plates are colored.] * Paper, \$1.50.
- 17826 530. Geologic occurrence of monazite [with bibliography]; by William C. Overstreet. 1967. viii+327 p. il. 2 pl. in pocket, 4° [Review of distribution of monazite and of geologic controls affecting amount of thorium in monazite.] * Paper, \$3.00.
L.C. card GS 67-191
- 17827 593-D. Zoogeographic evidence for late Tertiary lateral slip on San Andreas fault, Calif. [with list of references]; by W. O. Addicott. 1967. iii+12 p. il. 4° [Large post-early Miocene right lateral movement is suggested by early Miocene faunal distributions and paleogeography. Contributions to paleontology.] * Paper, 20c.
- 17828 Publications of Geological Survey, 1963. 1967. vi+54 p. † ● Item 623
L.C. card GS 11-221 I 19.14: 966
- Water-supply papers. ● Item 625 I 19.13: (nos.)
- 17829 1576-H. Ground-water resources of southern part of Jicarilla Apache Indian Reservation and adjacent areas, N. Mex. [with list of references cited]; by Elmer H. Baltz and S. W. West. 1967. iv+89 p. il. 5 pl. in pocket. [Prepared in cooperation with Jicarilla Apache Tribe, Water supply of Indian reservations. One plate is colored.] * Paper, \$3.00.
- 17830 1839 A. Reconnaissance of chemical quality of surface waters of Neches River basin, Tex. [with list of selected references]; by Leon S. Hughes and Donald K. Leifeste. 1967. iv+63 p. il. 4 pl. in pocket. [Prepared in cooperation with Texas Water Development Board. Contributions to hydrology of United States. Two plates are colored.] * Paper, \$1.50.
- 17831 1839-M. Comparison of methods of estimating potential evapotranspiration from climatological data in arid and subhumid environments [with list of references cited]; by R. W. Cruff and T. H. Thompson. 1967. iv+28 p. il. [Prepared in cooperation with California Department of Water Resources. Contributions to hydrology of United States.] * Paper, 15c.
- 17832 1846. Ground water in vicinity of American Falls Reservoir, Idaho [with list of references]; by M. J. Mundorff. 1967. iv+58 p. il. 5 pl. in pocket. [Prepared in cooperation with Bureau of Reclamation.] * Paper, \$2.00.
L.C. card GS 67-257
- 17833 1849. Roughness characteristics of natural channels [with list of selected references]; by Harry H. Barnes, jr. 1967. vi+213 p. il. [Color photographs and descriptive data for 50 stream channels for which roughness coefficients have been determined.] * Cloth, \$2.25.
L.C. card GS 66-322
- 17834 1881. Quality of surface waters of United States 1961: pts. 1 and 2. North Atlantic slope basins and South Atlantic slope and eastern Gulf of Mexico basins [with list of literature cited; prepared by personnel of Water Resources Division]. 1967. xi+412 p. il. [Prepared in cooperation with States of Alabama, Connecticut, Delaware, District of Columbia, Florida, Georgia, Maryland, New Jersey, New York, North Carolina, Pennsylvania, South Carolina, and with other agencies.] * Paper, \$1.50.

☛For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

Page 37

GOVERNMENT PUBLICATIONS

HOUSING AND URBAN DEVELOPMENT DEPARTMENT Washington, DC 20410

HUD 1P-(series).

HH 1.27:(uos.)

- 17835 26. Summary of urban renewal program, incorporating changes resulting from Demonstration cities and metropolitan act of 1966, cover title, 10 p. 4° [Illustration on p. 1 of cover.] †
- 17836 43. HUD, what it is, what it does. [July 1967.] cover title, 38+[2] p. il. oblong 24° * Paper, 20c. ● Item 582-G
- 17837 61. Cities on the move, HUD's urban transportation programs help urbanites move into 21st century. [May 1967.] cover title, 28 p. il. oblong 8° [Text on p. 2 and 3 of cover.] † ● Item 582-G
- 17838 76. Water and sewer facilities grant program. [July 1967.] 12 p. narrow 8° (HUD consumer bulletin.) † ● Item 582-G

HUD MP-(series).

- 17839 53. Communities and youth, commitment to opportunity, address by Hubert H. Humphrey, Vice President of United States [delivered at 3d National Legislative Conference of National League of Cities in Washington, D.C., Mar. 14, 1967]. [Aug. 1967.] cover title, 16 p. il. † ● Item 583-H
- HH 1.28: 53

HUD TS (series).

- 17840 17. Strengthening community services in low-income neighborhoods, field guide to concerted services, report of Joint Task Force on Health, Education, and Welfare Services and Housing, 1967; [prepared by J. Louis Browning]. [June 1967.] [4]+17 p. il. 4° [Page 17 appears on p. 3 of cover.] * Paper, 20c. ● Item 593-C
- L.C. card 67-62920
- HH 1.31: 17
- 17841 Needed, a team effort, remarks by H. Ralph Taylor, Assistant Secretary for Demonstrations and Intergovernmental Relations, Department of Housing and Urban Development, at 74th annual conference of International Association of Police Chiefs, Kansas City, Mo., Sept. 12, 1967. 1967. [1]+11 leaves, 4° †
- HH 1.7: T 21/4
- 17842 Remarks by Dwight A. Ink, Assistant Secretary for Administration, Department of Housing and Urban Development, at 62d annual convention of Virginia Municipal League, Norfolk, Va., Sept. 18, 1967. [1967.] 13 p. 4° †
- HH 1.7: In5
- 17843 Retirement housing, western style, address by Marie C. McGuire, Assistant for Problems of Elderly and Handicapped, Department of Housing and Urban Development, Western Gerontological Conference, Los Angeles, Calif., Oct. 20, 1967. 1967. [1]+19 p. 4° †
- HH 1.7: M17

IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept. Washington, DC 20536

- 17844 Federal textbook on citizenship: English and Federal Government, home study course [sec. 2 for helper]. Revised 1967. [1967.] vi+99 p. 4° (M-44.) * Paper, 55c. ● Item 724
- L.C. card 46-26183
- J 21.9: En 3/2/sec.2/967

INTERIOR DEPARTMENT Washington, DC 20240

NOTE.—Requests to the Interior Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 17845 Decisions of Department of Interior, Jan.-Dec. 1966; edited by Vera E. Burgin. 1967. v. 73, lxiv+480 p. il. * Cloth, \$2.25. ● Item 602
- L.C. card 7-23651
- I 1.69: 73
- 17846 Job Corps Conservation Centers National Conference, Denver, Colo., June 5-8, 1967. [July 31, 1967.] cover title, [161] p. 4° †
- L.C. card 67-62953
- I 1.2: J 57/967
- 17847 Remarks of Assistant Secretary of Interior, J. Cordell Moore, before Emergency Petroleum Supply Committee meeting, Washington, D.C., Oct. 6, 1967. 1967. 2 leaves, 4° †
- I 1.68: M 78/8

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

[Saline water] research and development progress report. (Office of Saline Water.) ● Item 604-A-1 I 1.88:(nos.)

- 17848 253. 5th annual report, saline water conversion demonstration plant no. 1, Freeport, Tex., July 1, 1965-June 30, 1966; by Stearns-Roger Manufacturing Co., Denver, Colo. Mar. 1967. [2]+xii+278 p. il. 4° [Series indicated on on title page as Saline water conversion progress report.] * Paper, \$3.00. L.C. card 65-62313
- 17849 266. Feasibility study of chemical sealing of soils [with bibliography]; by W. T. Gooding, jr., A. D. Bergmann, and C. G. Vinson, Diamond Alkali Co. June 1967. [4]+31 p. il. 4° ([Contract 14-01-0001-649.]) * Paper, 25c.
- 17850 Telephone directory, Department of Interior, fall 1967. [1967.] cover title, 84+[6] p. 4° [Text on p. 2 of cover.] * Paper, 50c. I 1.86: 967-2

INTERNAL REVENUE SERVICE, Treasury Dept. Washington, DC 20224

- 17851 Looseleaf regulations system: Service 1, Income tax, transmittal 98. Oct. 6, 1967. [14] p. 4° ● Item 961 T 22.19/3: 1/trans.98

NOTE.—Service 1 consists of pts. 1, 2, 18, and 19 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$16.00 (including basic material and supplements issued irregularly for approximately 3 years); \$4.00 additional for foreign mailing.

- 17852 — Service 5, Procedure and administration, transmittal 37. Sept. 22, 1967. [26] p. 4° ● Item 961 T 22.19/3: 5/trans.37

NOTE.—Service 5 consists of pts. 152, 301-303 and 601 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$4.50 (including basic material and supplements issued irregularly for approximately 3 years); \$1.00 additional for foreign mailing.

INTERNATIONAL COMMERCE BUREAU, Commerce Dept. Washington, DC 20230

- 17853 Market for U.S. products in Taiwan [with bibliography; by Maurice Kogon]. [Oct. 1967.] vi+127 p. il. 4° [Supplement to International commerce.] * Paper, 75c. ● Item 214 C 42.8/2: T13
L.C. card 67-62882

- 17854 Statement by Lawrence A. Fox, director, Bureau of International Commerce, Department of Commerce, International Trade Session, 54th National Foreign Trade Convention, New York, N.Y., Nov. 1, 1967. [1967.] 6 p. 4° † C 42.18: F83/3

INTERNATIONAL DEVELOPMENT AGENCY, State Dept. Washington, DC 20523

- 17855 Agency for International Development procurement regulations, [1st edition.], amdt. 1; [July 1966]. [1966.] [20] p. 4° (Office of Material Resources.) [Issued in looseleaf form.] * Paper, \$6.00 (including basic regulations and supplementary material for an indefinite period); \$1.00 additional for foreign mailing. S 18.6/2: 965 amdt.1
- 17856 — amdt. 2; June 1967. [1967.] [153] p. 4° (Office of Procurement.) [Issued in looseleaf form.] * Paper, \$6.00 (including basic regulations and supplementary material for an indefinite period); \$1.00 additional for foreign mailing. ● Item 900-C-5 S 18.6/2: 965/admt.2

INTERSTATE COMMERCE COMMISSION Washington, DC 20423

- 17857 Decisions of Interstate Commerce Commission, Sept. 1965-Aug. 1966, 1967. xx+799 p. (Interstate Commerce Commission reports, v. 326.) * Cloth, \$3.75. ● Item 677 I 1.6: 326
L.C. card 8-30656

☞For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

JOINT CHIEFS OF STAFF, Defense Dept. Washington, DC 20301

- 17858 National security management: Maintenance management in Department of Defense; [by] Harold J. Clem. 1967. v+28 p. ([Monograph series]; Industrial College of Armed Forces.) ‡ • Item 315-B
L.C. card 67-62912 D 5.9/4: M28

JOINT PUBLICATIONS RESEARCH SERVICE Washington, DC 20443

NOTE.—Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately.

- 17859-1 Communist China digest, no. 190; JPRS 42977.
17859-2 Communist Chinese scientific abstracts: Agricultural science and technology, nos. 63-66; JPRS 42850, 42942, 42947, 42981.
17859-3 Communist Chinese scientific abstracts: Bio-medical sciences, nos. 255-260; JPRS 42850, 42919, 42941, 42960, 42979, 42986.
17859-4 Communist Chinese scientific abstracts: Chemistry, nos. 87-88; JPRS 42858, 42980.
17859-5 Communist Chinese scientific abstracts: Engineering and equipment, no. 111; JPRS 42855.
17859-6 Communist Chinese scientific abstracts: General science, nos. 44-47; JPRS 42844, 42943, 42948, 42991.
17859-7 East European scientific abstracts: Bio-medical science, nos. 86-87; JPRS 42908, 42988.
17859-8 East European scientific abstracts: Chemistry, no. 94; JPRS 42914.
17859-9 East European scientific abstracts: Earth sciences, no. 60; JPRS 42853.
17859-10 East European scientific abstracts: Materials science and metallurgy, no. 18; JPRS 42854.
17859-11 East European scientific abstracts: Physics and mathematics, no. 85; JPRS 42909.
17859-12 Economic and geographic translations on Latin America, nos. 93-94; JPRS 42852, 42954.
17859-13 Herald of communications, no. 7; JPRS 42951.
17859-14 Index of La Stampa and La Stampa sera, nos. 386-387; JPRS 42875, 42959.
17859-15 Index of Le Monde, no. 88; JPRS 42931.
17859-16 Military information on Eastern Europe, nos. 172-173; JPRS 42936, 42993.
17859-17 Political translations on Eastern Europe, nos. 297-298; JPRS 42946, 42963.
17859-18 Press information report on Albania, no. 230; JPRS 42978.
17859-19 Press information report on Iran, no. 32; JPRS 42874.
17859-20 Sociological translations on Eastern Europe, nos. 473-474; JPRS 42881, 42989.
17859-21 Translations from Hoc tap (Studies), North Vietnam, no. 8, 1967; JPRS 42939.
17859-22 Translations from Hung-ch'i (Red flag), no. 67; JPRS 42866.
17859-23 Translations from Kommunist, no. 12, 1967; JPRS 42903.
17859-24 Translations on Africa, nos. 642-647; JPRS 42857, 42877, 42907, 42912, 42953, 42992.
17859-25 Translations on Communist China: Economic, no. 33; JPRS 42911.
17859-26 Translations on Communist China: Political and sociological, nos. 424-426; JPRS 42887, 42933, 42961.
17859-27 Translations on Communist China: Science and technology, no. 393; JPRS 42845.
17859-28 Translations on Cuba, nos. 625-628; JPRS 42876, 42945, 42950, 42968.
17859-29 Translations on East European agriculture, forestry, and food industries, nos. 592-596; JPRS 42882, 42932, 42937, 42956, 42994.
17859-30 Translations on East European electronic and precision equipment industries, no. 20; JPRS 42958.
17859-31 Translations on East European foreign trade, nos. 362-364; JPRS 42843, 42915, 42990.
17859-32 Translations on East European machinery industries, no. 37; JPRS 42869.
17859-33 Translations on East European materials industries, nos. 398-401; JPRS 42879, 42916, 42938, 42964.
17859-34 Translations on East European service industries, nos. 567-570; JPRS 42886, 42917, 42965, 42995.
17859-35 Translations on economic organization and management in Eastern Europe; nos. 749-752; JPRS 42849, 42910, 42952, 42957.
17859-36 Translations on international Communist developments; nos. 998-999; JPRS 42847, 42889.
17859-37 Translations on Near East, nos. 200-208; JPRS 42861, 42884, 42921, 42934, 42940, 42944, 42949, 42982, 42987.
17859-38 Translations on North Korea, nos. 59-61; JPRS 42856, 42860, 42883.
17859-39 Translations on North Vietnam, nos. 257-263; JPRS 42846, 42851, 42873, 42888, 42920, 42930, 42972.
17859-40 Translations on Soviet education, no. 73; JPRS 42985.
17859-41 Translations on USSR agriculture, no. 222; JPRS 42975.
17859-42 Translations on USSR communications, no. 90; JPRS 42976.
17859-43 Translations on USSR consumer goods and domestic trade, nos. 199-202; JPRS 42872, 42880, 42905, 42984.
17859-44 Translations on USSR labor, nos. 207-208; JPRS 42904, 42974.
17859-45 Translations on USSR transportation, no. 198; JPRS 42983.

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

- 17859-46 USSR economy and industry: General information, nos. 171-175; JPRS 42867, 42878, 42922, 42973, 42858.
 17859-47 USSR industrial development: Automotive and tractor industry, no. 62; JPRS 42885.
 17859-48 USSR industrial development: Chemical industry and machinery, nos. 61-62; JPRS 42862, 42967.
 17859-49 USSR industrial development: Construction, construction machinery, and building materials, nos. 109-112; JPRS 42863, 42868, 42923, 42968.
 17859-50 USSR industrial development: Electric power, fuels and related equipment, nos. 73-77; JPRS 42848, 42864, 42906, 42935, 42969.
 17859-51 USSR industrial development: Electronics and precision equipment, nos. 32-35; JPRS 42865, 42870, 42924, 42970.
 17859-52 USSR industrial development: Metallurgy and minerals, nos. 71-72; JPRS 42871, 42971.
 17859-53 USSR scientific abstracts: Physics and mathematics, nos. 123-126; JPRS 42913, 42918, 42955, 42962.

JPRS (series).

Y 3.J66: 13/(nos.)

- 17860 42837. Studies in theory of genetic information, USSR [excerpts]; by N. Zhukov-Berezhnikov. Oct. 5, 1967. [2]+a+21 p. 4° Φ Paper, \$3.00 (TT: 67-33463).
 17861 42839. Variable-structure automata, USSR [with bibliography]; by G. A. Agasandyan. Oct. 5, 1967. [2]+3 leaves, 4° [From Doklady Akademii Nauk SSSR, v. 174, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-33465).
 17862 42840. Dual problems in convex and convex-fractional programming in functional spaces, USSR [with bibliography]; by Ye. G. Gol'shteyn. Oct. 5, 1967. [2]+11 p. 4° Φ Paper, \$3.00 (TT: 67-33466).
 17863 42841. Statute of Polish Society of Amateur Astronomers. Oct. 5, 1967. [2]+15 p. 4° [Supplement to Urania, no. 7/8, July-Aug. 1967.] Φ Paper, \$3.00 (TT: 67-33467).
 17864 42842. Studies on vestibular apparatus of humans and animals, USSR [articles, with bibliographies]. Oct. 5, 1967. [2]+a+31 p. il. 4° [From Vestnik otorinolaringologii, no. 4, 1967.] Φ Paper, \$3.00 (TT: 67-33468).
 17865 42890. Treatment of diabetics at Polish health resorts; by M. Ya. Grabovskaya. Oct. 9, 1967. [2]+8 p. 4° [From Voprosy kurortologii, fizioterapii i lechebnoy fizicheskoy kul'tury, no. 4, July-Aug. 1967.] Φ Paper, \$3.00 (TT: 67-33516).
 17866 42891. Production of inverse population by mixing of hot plasma with cold gas, USSR [with bibliography]; by L. V. Popov. Oct. 9, 1967. [2]+10 p. il. 4° [From Zhurnal prikladnoy spektroskopii, v. 5, no. 2, Aug. 1966.] Φ Paper, \$3.00 (TT: 67-33517).
 17867 42892. Robots serve as museum guides, USSR [articles]; by M. Aleksandrov, et al. Oct. 9, 1967. [2]+6 p. il. 4° [From Tekhnika molodezhi, no. 6, 1967.] Φ Paper, \$3.00 (TT: 67-33518).
 17868 42893. Algorithm for approximate solution of resource distribution problem in network planning, USSR [with bibliography]; by L. Ya. Leyfman. Oct. 9, 1967. [2] p.+4 leaves, 4° [From Doklady Akademii Nauk SSSR, v. 175, no. 2, 1967.] Φ Paper, \$3.00 (TT: 67-33519).
 17869 42894. Connecting dynamic production models into schemes, USSR [with bibliography]; by Yu. P. Krivenkov. Oct. 9, 1967. [2]+8 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 174, no. 6, 1967.] Φ Paper, \$3.00 (TT: 67-33520).
 17870 42895. Conditions of maximum response of magnetometer based on optical orientation of atoms, USSR [with bibliography]; by G. P. Nedobodiyev et al. Oct. 9, 1967. [2] p.+3 leaves, il. 4° [From Geofizicheskaya, apparatura, no. 26, 1965.] Φ Paper, \$3.00 (TT: 67-33521).
 17871 42896. Program of Belorussian State University's Physics Department, USSR; by I. Zyat'kov, et al. Oct. 9, 1967. [2] p.+4 leaves, 4° [From Sovetskaya Belorussiya, July 29, 1967.] Φ Paper, \$3.00 (TT: 67-33522).
 17872 42897. Geodesy and cartography, no. 4, 1967, Hungary. Oct. 9, 1967. [2]+a+11 p. 4° [Translation of 2 articles from periodical.] Φ Paper, \$3.00 (TT: 67-33523).
 17873 42898. Propagation of long and superlong radio waves in earth-ionosphere waveguide channel, USSR [with bibliography]; by S. T. Rybachek et al. Oct. 9, 1967. [2]+11 p. il. 4° [Problemy diffraktsii i rasprostraneniya voln, no. 5, 1966.] Φ Paper, \$3.00 (TT: 67-33524).
 17874 42899. Treating neurodermatitis patients with electrosleep and hypnosis, USSR [excerpt]; by Ye. K. Skripkin. Oct. 9, 1967. [2]+a+10 p. il. 4° [From Neyrodermit, voprosy etiologii, patogenezisa i terapii, 1967.] Φ Paper, \$3.00 (TT: 67-33525).
 17875 42900. Strategic importance of cybernetics, USSR; by A. Khar'kovskiy. Oct. 9, 1967. [2] p.+5 leaves, 4° [From Tekhnika molodezhi, no. 7, July 1967.] Φ Paper, \$3.00 (TT: 67-33526).
 17876 42901. Scientific research and development base in Slovakia, Czechoslovakia; by Julius Pavlis. Oct. 9, 1967. [2]+7 p. 4° [From Hospodarske noviny, no. 36, Sept. 8, 1967.] Φ Paper, \$3.00 (TT: 67-33527).
 17877 42902. New Soviet medical apparatus [articles]. Oct. 9, 1967. [2]+a+16 p. il. 4° [From Meditsinskaya tekhnika, no. 4, 1967.] Φ Paper, \$3.00 (TT: 67-33528).
 17878 42925. Development of cancer chemotherapy in Soviet Union, USSR; by L. F. Larionov. Oct. 11, 1967. [2]+44 p. 4° [From Voprosy onkologii, v. 13, no. 8, 1967.] Φ Paper, \$3.00 (TT: 67-33531).

Φ For Sale by Clearinghouse, U.S. Department of
 Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

JPRS (series)—Continued

- 17879 42926. Certain characteristics of decision model algorithm of Leont'yev type, international; by V. Z. Belen'kiy. Oct. 11, 1967. [2] p.+4 leaves, 4° [Report 14; delivered at International Congress of Management Sciences, Mexico City, 1967.] Φ Paper, \$3.00 (TT: 67-33552).
- 17880 42927. Self-regulation of higher nervous activity, USSR; by A. Krauklis. Oct. 11, 1967. [2]+8 p. il. 4° [From Nauka i tekhnika, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-33553).
- 17881 42928. Minimum time for Earth-Mars-Earth flight with unregulated low-thrust engine, USSR [with bibliography]; by R. F. Avramchenko, et al. Oct. 11, 1967. [2]+14 p. il. 4° [From Kosmicheskoy issledovaniya, v. 5, no. 3, 1967.] Φ Paper, \$3.00 (TT: 67-33554).
- 17882 42929. Short manual on toxicology, USSR; by G. A. Stepan'skiy, et al. Oct. 11, 1967. [2]+a-c+375 p. il. 4° Φ Paper, \$3.00 (TT: 67-33555).

JUSTICE DEPARTMENT Washington, DC 20530

- 17883 Identical bidding in public procurement, 6th report of Attorney General under Executive order 10936. July 1967. v+221 p. 4° * Paper, \$1.25.
● Item 719-D
L.C. card 62-64527 J 1.31: 967

LABOR DEPARTMENT Washington, DC 20210

- 17884 Manpower research projects, sponsored by Manpower Administration through June 20, 1967. Sept. 1967. xxvii+196 p. 4° † ● Item 746-I
L.C. card 67-62916 L 1.39/6: 967
- 17885 Seminar on manpower policy and program: Manpower potential in our ethnic groups [Washington, D.C., Jan. 12, 1967]; by Edward T. Hall. [Aug. 1967.] [1]+24 p. (Manpower Administration [Office of Manpower Policy, Evaluation, and Research].) [Condensed transcript. Text and illustration on p. 1 and 2 of cover.] † ● Item 745
L.C. card 67-62886 L 1.2: M 31/45
- 17886 — Womanpower policies for 1970's; by Wilbur J. Cohen. [Oct. 1967.] [1]+40 p. (Manpower Administration [Office of Manpower Policy, Evaluation, and Research].) † ● Item 745
L.C. card 67-62887 L 1.2: M 31/44

LABOR STANDARDS BUREAU, Labor Dept. Washington, DC 20210

Bulletin.

- 17887 302. Safety in industry, instructor outline, Department of Labor safety training programs: Construction safety, site clearing; [by Francis L. Otto]. [1967.] cover title, [1]+v+20 p. il. 4° [Text on p. 2 of cover.] * Paper, 25c. ● Item 763 L 16.3: 302
- 17888 Maritime safety data for shipyards: Shipyard scaffolding; [prepared by Roland Belanger]. [1967.] 19 p. il. 4° (MSD LS-74; OOS 10.65.) †
L 16.47/2: Sea 2
- 17889 — Temporary lights for flammable atmospheres and for general use. [Oct. 1967.] 13 p. il. 4° † L 16.47/2: F 61/2/967

LABOR STATISTICS BUREAU, Labor Dept. Washington, DC 20210

BLS reports. †

L 2.71: (nos.)

- 17890 318. Work injuries and work injury rates in heavy construction industry; [prepared by William E. Tarrants]. June 1967. v+68 p. il. 4° † ● Item 768-G
L.C. card 67-62919
- 17891 326. 1870 input-output coefficients; [prepared by Ronald E. Kutscher]. [Sept. 1967.] cover title, [3]+11 p. 4°
L.C. card 67-62939

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

DECEMBER 1967

Bulletins. ● Item 768

L 2.3:(nos.)

- 17892 1530-86. 1530-86. Area wage survey: Akron, Ohio, metropolitan area, July 1967. Sept. 1967. iii+32 p. oblong 8° * Paper, 25c.
L.C. card L 66-154
- 17893 1561. Compensation expenditures and payroll hours: Motor passenger transportation industries, 1964: [prepared by Robert E. Pope]. Sept. 1967. vi+57 p. ll. 4° * Paper, 40c.
L.C. card 67-62938
- 17894 1570-1. City worker's family budget for moderate living standard, autumn 1966 [with list of technical references; prepared by Jean C. Brackett]. [1967.] vii+40 p. 4° * Paper, 30c.
L.C. card 67-62959
- 17895 1575-1. Area wage survey: Manchester, N.H., metropolitan area, July 1967. Sept. 1967. iii+18+[1] p. oblong 8° * Paper, 20c.
L.C. card L 66-30
- 17896 1575-2. Same: Little Rock-North Little Rock, Ark., metropolitan area, July 1967. Sept. 1967. iii+24 p. oblong 8° * Paper, 25c.
L.C. card L 66-42
- 17897 1575-3. Same: Boise City, Idaho, metropolitan area, July 1967. Sept. 1967. iii+18+[1] p. oblong 8° * Paper, 20c.
L.C. card L 66-37
- 17898 Bureau of Labor Statistics, catalog of publications, periodicals, bulletins, reports & releases, Jan.-June 1967. [1967.] cover title, i+45 p. 4° [Text on p. 2 of cover.] † ● Item 768-E
L.C. card L 48-22
- 17899 Occupational earnings and wage trends in metropolitan areas, 1966-67, summary release no. 3 (29 areas). Sept. 1967. 10+[2] p. 4° †
L 2.86: 966-67/no.3
- 17900 Revised equivalence scale for estimating income and budget costs by family type. [1967.] [2] leaves, 4° †
L 2.2: 1n 2/5
- 17901 Wage trends for occupational groups in metropolitan areas, 1966-67, summary release. Oct. 1967. 5 p. 4° †
L 2.86/2: 966-67

LAND MANAGEMENT BUREAU, Interior Dept. Washington, DC 20240

- 17902 Ephemeris of sun, Polaris, and other selected stars with companion data and tables for [calendar] year 1968; prepared by Nautical Almanac Office, United States Naval Observatory. 59th edition. 1967. ii+30 p. 1 pl. [Supplement to Manual of instructions for survey of public lands of United States.] * Paper, 25c. ● Item 630
L.C. card 10-35913

1 53.8: 968

LIBRARY OF CONGRESS Washington, DC 20540

- 17903 Weather modification in Soviet Union, 1946-66, selected annotated bibliography; by Nikolay T. Zikeev and George A. Doumani. 1967. x+78 p. 4° (Science and Technology Division, Reference Department.) * Paper, 55c. ● Item 818-A
L.C. card 67-61609

LC 33.2: So 8/4

MARINE CORPS (Navy), Defense Dept. Washington, DC 20350

- Marine Corps historical reference pamphlets. (Historical Branch, G-3 Division.) †
- 17904 Brief history of 9th Marines; by Truman R. Strobbridge. 1961, revised 1967. 1967. [3]+30 p. 4°
L.C. card 67-62897
- 17905 Marine Corps aircraft, 1913-65 [with bibliography]. 1961, reprinted 1964, revised 1967. [1967.] [3] leaves+73 p. 4°
- 17906 Mobilization of Marine Corps Reserve in Korean conflict, 1950-51; by Ernest H. Giusti. 1951, reprinted 1967. vi+80 p. ll. 4°

D 214.14/2: 11 62

D 214.14.2: A1 7

D 214.14/2: K 84

☛For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

MARITIME ADMINISTRATION, Commerce Dept. Washington, DC 20548

MA SP (series). †

C 39.210/2; (nos.)

- 17907 67-5. Tide of fortune, by J. W. Gulick, acting Maritime Administrator, Department of Commerce, remarks at American Merchant Marine Conference, Honolulu, Hawaii, Oct. 12, 1967, 1967, 9 p. 4° ([US-COMM-DC 42281.])
- 17908 67-6. Damn the torpedoes, by J. W. Gulick, Acting Maritime Administrator, Department of Commerce, remarks before Propeller Club, San Pedro, Calif., Oct. 25, 1967, 1967, 8 p. 4°
- 17909 Review of United States oceanborne foreign trade, 1966: [prepared by William B. Ebersold]. [1967.] 24 p. il. 4° * Paper, 20c. ● Item 235
L.C. card 67-62961 C 39.202: Oc 2

MILITARY ACADEMY, West Point (Army), Defense Dept. West Point, NY 10996

- 17910 United States Military Academy, [West Point, N.Y.], catalogue 1967-68, 166th year. [1967.] [5]+208 p. il. † ● Item 353
L.C. card 46-27855 D 109.8: 967-68

MINES BUREAU, Interior Dept. Washington, DC 20240

Information circulars. ● Item 637-A

I 28.27; (nos.)

- 17911 8351. Magnetic susceptibility of 19 nickel- and cobalt-bearing minerals; by H. E. Powell. [Oct. 1967.] [3]+12 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17912 8352. Heavy crude oil, resource, reserve, and potential production in United States [with lists of references]; by Petroleum Staff, Mineral Resource Offices. [1967.] [2]+11+76 p. il. 4° * Paper, 45c.

Report of investigations. ● Item 637-A

I 28.23; (nos.)

- 17913 7029. Design and development of light-weight recoverable hydraulic prop [with bibliography]; by Webster S. Anderson. [Oct. 1967.] [3]+19 p. il. 4° [Errata, 1 p., issued also.] † Mines Bureau, Pittsburgh, Pa. 15213.
- 17914 7030. Nonuniform radial loads applied to boundary of circular hole in infinite plate [with list of references]; by Wilbur I. Duvall and Wilson Blake. [Oct. 1967.] [3]+16 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17915 7031. Developing thermochemical model for iron blast furnace, measurement of rate coefficient for reduction of iron ore pellets in packet bed [with list of references]; by Hillary W. St. Clair. [Oct. 1967.] [3]+20 p. il. 4° [Errata, 1 p., issued also.] † Mines Bureau, Pittsburgh, Pa. 14213
- 17916 7036. Molten-salt electrolyzing vanadium scrap [with list of references]; by K. P. V. Lei and T. A. Sullivan. [Oct. 1967.] [3]+18 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213

MOTOR CARRIER SAFETY BUREAU, Transportation Dept. Washington, DC 20591

NOTE—The Motor Carrier Safety Bureau was transferred from the Interstate Commerce Commission to the Federal Highway Administration, Transportation Department, by Public Law 89-670, approved Oct. 15, 1966.

Motor carrier accident investigation report.

- 17917 67-7. Gray Line Sightseeing Tours, Inc., accident, July 31, 1967, Stuart, Fla. [1967.] 7 p. il. 4° † TD 2.309: 67-7

NARCOTICS BUREAU, Treasury Dept. Washington, DC 20226

- 17918 Traffic in opium and other dangerous drugs, report for year ended Dec. 31, 1966. [1967.] vi+67 p. il. * Paper, 30c. ● Item 969
L.C. card 31-26999 T 56.8: 966

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Washington, DC 20546

AEC-NASA tech briefs. [Descriptions of innovations resulting from research and development program of AEC or from AEC-NASA inter-agency efforts.] Φ Paper, each 15c. NAS 1.29/2; (nos.)

- 17919 67-10281. Computer program predicts thermal and flow transients in reactor loss-of-flow accident. Aug. 1967. 1 p. 4° (NUC-10054.)

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17920 67-10293. Square tubing reduces cost of telescoping bridge crane hoist, Aug. 1967. [2] p. il. 4° ([ARG-13.])
- 17921 67-10296. Thermal neutron image intensifier tube provides brightly visible radiographic pattern, Aug. 1967. [2] p. il. 4° ([ARG-120.])
- 17922 67-10316. Radiation counting technique allows density measurement of metals in high-pressure-high-temperature environment, Sept. 1967. 1 p. 4° (ARG-124.)
- 17923 67-10318. Electronic test instrument generates extremely small current signals, Sept. 1967. [2] p. il. 4° ([ARG-276.])
- 17924 67-10324. Thermodynamic properties of solid palladium-silver alloys and other alloys are investigated by torsion-effusion technique, Sept. 1967. [2] p. il. 4° ([ARG-277.])
- 17925 67-10343. Limit circuit prevents over-driving of operational amplifier, Sept. 1967. [2] p. il. 4° ([NUC-10082.])
- 17926 67-10344. Computer subroutine ISUDS accurately solves large system of simultaneous linear algebraic equations, Sept. 1967. 1 p. 4° (NUC-10051.)
- 17927 67-10345. Computer program VARI-QIR III provides solution of steady-state, multigroup, 2-dimensional neutron diffusion equations, Sept. 1967. 1 p. 4° (NUC-10052.)
- 17928 67-10346. Thermodynamic properties of saturated liquid parahydrogen charted for important temperature range, Sept. 1967. [2] p. il. 4° ([NUC-10018.])
- 17929 67-10348. Computerized parts list system coordinates engineering releases, parts control, and manufacturing planning, Sept. 1967. [2] p. 4° (NUC-10073.)
- 17930 67-10349. Excellent spring properties developed in 2 nickel alloys for use at cryogenic temperatures, Sept. 1967. [2] p. 4° ([NUC-10084.])
- 17931 67-10351. Metal flame spray coating protects electrical cables in extreme environment, Oct. 1967. [2] p. il. 4° ([NUC-10077.])
- 17932 67-10401. Metal tube reducer is inexpensive and simple to operate, Oct. 1967. [2] p. il. 4° ([ARG-49.])

NASA contractor report CR (series).

NAS 1.26:(nos.)

- 17933 803. Discrete-element methods for plastic analysis of structures [with list of references]; by G. Isakson, H. Armen, Jr., and A. Pifko, Oct. 1967. xii+206 p. il. 4° [Prepared under contract NAS 1-5040 by Grumman Aircraft Engineering Corporation, Bethpage, N.Y. Issued by originator as report RE-287.] Φ Paper, \$3.00. L.C. card 67-62942
- 17934 875. Studies of multivariable manual control systems, 2-axis compensatory systems with separated displays and controls [with list of references]; by William H. Levison and Jerome I. Elkind, Oct. 1967, cover title, viii+123 p. il. 4° [Prepared under contract NAS 2-3080 by Bolt Beranek and Newman Inc., Cambridge, Mass. Issued by originator as report 1459.] Φ Paper, \$3.00.
- 17935 880. Digital filters for non-real-time data processing [with bibliography]; by James T. Taylor, Oct. 1967, cover title, ix+197 p. il. 4° [Prepared under contract NAS 8-11492 by Northeast Louisiana State College, Monroe, La.] Φ Paper, \$3.00. L.C. card 67-62883
- 17936 883. Lunar Orbiter II, photographic mission summary, [Oct. 1967.] vii+86 p. il. 1 pl. 4° [Prepared under contract NAS 1-3800 by Boeing Company, Seattle, Wash. Issued by originator as Document D2-100752-1.] Φ Paper, \$3.00.
- 17937 890. Bacteriology of clean rooms [with list of references]; by G. S. Michaelsen, O. R. Ruchmeyer, and D. Vesley, Oct. 1967, cover title, v+69 p. il. 4° [Prepared under grant NSG-643 by University of Minnesota.] Φ Paper, \$3.00.
- 17938 899. Corrosion of aluminum in water [with list of references]; by D. N. Fuitouberg, Oct. 1967, cover title, vii+76 p. il. 4° [Prepared under contract NAS 3-5215 by Westinghouse Electric Corporation, Pittsburgh, Pa. Originally issued as Westinghouse document WCAP-7029, May 1967.] Φ Paper, \$3.00.
- 17939 901. Crack propagation theories [with list of references]; by Fazil Erdogan, Oct. 1967, cover title, vi+166 p. il. 4° [Prepared under grant NGR 39-007-011 by Lehigh University, Bethlehem, Pa.] Φ Paper, \$3.00. L.C. card 67-62944
- 17940 903. Stabilization system analysis and performance of GEOS-A gravity-gradient satellite (Explorer XXIX) [with list of references]; by V. L. Piscane, P. P. Pardoe, and B. J. Hook, Oct. 1967, cover title, v+12 p. il. 4° [Prepared under contract W-12014 by Johns Hopkins University Applied Physics Laboratory, Silver Spring, Md. Issued by originator as report TG-901.] Φ Paper, \$3.00.
- 17941 905. Transient radiation and conduction in slotted slab and hollow cylinder [with list of references]; by P. D. Richardson and Y. M. Shum, Oct. 1967, cover title, [1]+60 p. il. 4° [Prepared under grant NGL-40-002-012 by Brown University, Providence, R.I.] Φ Paper, \$3.00.
- 17942 906. Experiment in low energy plasmas [with list of references]; by E. H. Holt and J. H. Noon, Oct. 1967, cover title, iii+33 p. il. 4° [Prepared under grant NSG-48 by Rensselaer Polytechnic Institute, Troy, N.Y. Issued by originator as technical report 67-1.] Φ Paper, \$3.00.

4For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

NASA contractor report CR (series)—Continued

- 17943 907. Performance of multilayer insulation systems for temperatures to 700° K [with list of references]; by George R. Cunningham, Jr. [and others]. Oct. 1967. cover title, ix+106 p. il. 4° [Prepared under contract NAS 2-2441 by Lockheed Aircraft Corporation, Palo Alto, Calif.] Φ Paper, \$3.00.
- 17914 910. Measuring human performance with parameter tracking version of crossover model [with list of references]; by Glenn A. Jackson. Oct. 1967. cover title, xxii+232 p. il. 4° [Prepared under contract NASr54(06) by University of Michigan, Ann Arbor, Mich.] Φ Paper, \$3.00.
- 17945 918. Evaluation of user reactions to prototype on-line information retrieval system [with list of references]; by David Meister and Dennis J. Sullivan. Oct. 1967. cover title, v+58 p. il. 4° [Prepared under contract NASW-1369 by Bunker-Ramo Corporation, Canoga Park, Calif.] Φ Paper, \$3.00.
- 17946 932. On differential equations of axisymmetric vibration of paraboloidal shells of revolution [with list of references]; by James Ting-shun Wang and Chl-wen Lin. Nov. 1967. cover title, iii+19 p. il. 4° [Prepared under grant NSG-571 by Georgia Institute of Technology, Atlanta, Ga.] Φ Paper, \$3.00.
- 17947 934. Experimental investigation of radial displacements of thin-walled cylinder [with list of references]; by O. G. S. Ricardo. Nov. 1967. cover title, vi+45 p. il. 4° [Prepared under grant NSG-18-59 by California Institute of Technology, Pasadena, Calif. Issued by originator as report SM 67-7.] Φ Paper, \$3.00.

NASA EP (series).

- 17948 46. Medical benefits from space research. [1967.] cover title, [16] p. il. 4° * Paper, 20c. \bullet Item S30-G NAS 1.19:46

NASA facts. (Educational publication of NASA's Office of Public Affairs, Educational Programs Division.) \bullet Item S30-H

NAS 1.20: v. (no.)/no. (nos.)

- 17949 v. 2, no. 8. Manned space flight: Projects Mercury and Gemini. [1967.] 12 p. il. 4° (NF-9.) * Paper, 15c.
- 17950 v. 4, no. 6. Surveyor. [1967.] 12 p. il. 4° (NF-35.) * Paper, 15c.

NASA SP (series).

NAS 1.21:(nos.)

- 17951 143. Oxide dispersion strengthened alloys [with list of references]; prepared for NASA Research Advisory Committee on Materials by Nicholas J. Grant, Howard J. Siegel, and Robert W. Hall. 1967. v+25 p. il. (Scientific and Technical Information Division, Office of Technology Utilization.) * Paper, 15c. \bullet Item S30-I L.C. card 67-60087
- 17952 157. 1967 summer study of lunar science and exploration, directed by Wilmot N. Hess, held at University of California-Santa Cruz, Santa Cruz, Calif., July 31-Aug. 13, 1967 under auspices of Manned Spacecraft Center, NASA. 1967. vi+398 p. il. map, 4° (Scientific and Technical Information Division, Office of Technology Utilization.) Φ Paper, \$3.00. L.C. card 67-62926
- 17953 5027. Thermal insulation systems, survey [with list of references]; by Peter E. Glaser [and others]. 1967. vi+148 p. il. ([Technology utilization; Technology Utilization Division, Office of Technology Utilization.] [Prepared under NASA contract by Arthur D. Little, Inc., Cambridge, Mass.] * Paper, 60c. \bullet Item S30-I L.C. card 67-60053

NASA tech briefs. [Issued by Technology Utilization Division to summarize specific technical innovations derived from the space program. Issued with perforations.] Φ Paper, each 15c. NAS 1.29:(nos.)

- 17954 67-10271. Pipe joints reinforced in place with fitted aluminum sleeves. Aug. 1967. [2] p. il. 4° ([MSC-11109.]) [Corrected copy.]
- 17955 67-10282. Materials data handbook, inconel alloy 718. Aug. 1967. 1 p. 4° (MFS-2348.)
- 17956 67-10301. Materials data handbook, aluminum alloy 7075. Aug. 1967. 1 p. 4° (MFS-2349.)
- 17957 67-10314. SiC/Si diode trigger circuit provides automatic range switching for log amplifier. Aug. 1967. [2] p. il. 4° ([MFS-1897.])
- 17958 67-10328. Computer optimization program finds values for several independent variables that minimize dependent variable. Sept. 1967. 1 p. 4° (MFS-13030.)
- 17959 67-10329. Computer program resolves radiative, conductive, and convective heat transfer problems for variety of geometries. Sept. 1967. 1 p. 4° (MFS-1910.)
- 17960 67-10330. Improved computer program for elastic analysis of highly redundant structural configurations. Sept. 1967. 1 p. 4° (MFS-13087.)
- 17961 67-10334. Field effect transistors improve buffer amplifier. Oct. 1967. [2] p. il. 4° ([M-FS-916.])
- 17962 67-10339. Vibration analysis utilizing Mossbauer effect. Sept. 1967. [2] p. il. 4° ([MFS-11974.])
- 17963 67-10341. Development of technology for hot-drape forming of large torus sections. Oct. 1967. [2] p. 4° ([MFS-12141.])
- 17964 67-10342. Simplified technique demonstrates magnetic domain switching. Oct. 1967. [2] p. il. 4° ([MFS-13153.])

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 17965 67-10353. Ultrasonic wrench produces leaktight connections. Oct. 1967. [2] p. il. 4° ([MFS-12561.])
- 17966 67-10354. Cut-through tester accurately measures insulation failure rates. Oct. 1967. [2] p. il. 4° ([MFS-12506.])
- 17967 67-10356. Repairable, high-density microelectronic module provides effective heat sink. Oct. 1967. [2] p. il. 4° ([MFS-13075.])
- 17968 67-10357. Digital-to-analog converter operates from low level inputs. Oct. 1967. [2] p. il. 4° ([JPL-907.])
- 17969 67-10358. Steel test panel helps control additives in pyrophosphate copper plating. Oct. 1967. [2] p. il. 4° ([LEW-10101.])
- 17970 67-10359. Test device prevents weld joint damage by eliminating axial pin forces on unpotted modules. Oct. 1967. [2] p. il. 4° ([LEW-10201.])
- 17971 67-10360. Pressure levels and pulsation frequencies can be varied on high pressure/frequency testing device. Oct. 1967. [2] p. il. 4° ([LEW-10205.])
- 17972 67-10361. Pocket-size manual tape reader device aids computer tape checking. Oct. 1967. [2] p. il. 4° ([KSC-10058.])
- 17973 67-10362. Movable rf probe eliminates need for calibration in plasma accelerators. Oct. 1967. [2] p. il. 4° ([LEW-10127.])
- 17974 67-10363. System automatically provides dynamic launch decision criteria. Oct. 1967. 1 p. 4° (MFS-13063.)
- 17975 67-10364. Resilient bearing supports are gas controlled. Oct. 1967. [2] p. il. 4° ([LEW-10109.])
- 17976 67-10365. Magnesium-lithium alloys developed for low temperature use. Oct. 1967. 1 p. 4° (MFS-1541.)
- 17977 67-10366. Study made of dielectric properties of promising materials for cryogenic capacitors. Oct. 1967. [2] p. 4° ([MFS-13620.])
- 17978 67-10367. Transducer measures embedment stresses in electronic modules. Oct. 1967. [2] p. il. 4° ([MFS-13486.])
- 17979 67-10368. Signal generator converts direct current to multiphase supplies. Oct. 1967. 1 p. 4° (MSC-11043.)
- 17980 67-10369. Multiple meter monitoring circuits served by single alarm. Oct. 1967. [2] p. il. 4° ([MSC-10984.])
- 17981 67-10370. Mechanical properties of wire insulation automatically determined. Oct. 1967. 1 p. 4° (MSC-10983.)
- 17982 67-10371. Measuring coplanarity of surfaces. Oct. 1967. 1 p. 4° (MSC-12044.)
- 17983 67-10372. Electron beam parallel X-ray generator. Oct. 1967. [2] p. il. 4° ([MSC-11022.])
- 17984 67-10373. Eccentric drive mechanism is adjustable during operation. Oct. 1967. [2] p. il. 4° ([MFS-2576.])
- 17985 67-10374. Handbooks describe eddy current techniques used in nondestructive testing of metal parts and components. Oct. 1967. 1 p. 4° (MFS-13172.)
- 17986 67-10376. Circuit automatically calibrates flowmeter against liquid-level gage reference. Oct. 1967. [2] p. 4° ([MFS-2194.])
- 17987 67-10377. Stabilizing stainless steel components for cryogenic service. Oct. 1967. 1 p. 4° (MFS-13127.)
- 17988 67-10378. Flowmeter determines mix ratio for viscous adhesives. Oct. 1967. [2] p. il. 4° ([MFS-2308.])
- 17989 67-10379. Machine tests slow-speed sliding friction in high vacuum. Oct. 1967. [2] p. il. 4° ([MFS-12341.])
- 17990 67-10380. Single-source mechanical loading system produces biaxial stresses in cylinders. Oct. 1967. 1 p. 4° (MFS-12530.)
- 17991 67-10382. Use of color-coded sleeve shutters accelerates oscillograph channel selection. Oct. 1967. 1 p. il. 4° (KSC-10092.)
- 17992 67-10384. Crack growth measured on flat and curved surfaces at cryogenic temperatures. Oct. 1967. [2] p. il. 4° ([LEW-389.])
- 17993 67-10385. Welding torch and wire feed manipulator. Oct. 1967. [2] p. il. 4° ([MFS-13102.])
- 17994 67-10386. Continuous wave detector has wide frequency range. Oct. 1967. 1 p. 4° (MFS-1849.)
- 17995 67-10388. Modified blackbody device emits high-density radiation. Oct. 1967. 1 p. 4° (MFS-12744.)
- 17996 67-10389. Rugged switch responds to minute pressure differentials. Oct. 1967. [2] p. il. 4° ([MFS-12704.])
- 17997 67-10390. High power dc/dc and dc/ac electrical power conversion techniques developed. Oct. 1967. [2] p. il. 4° ([MFS-13227.])
- 17998 67-10391. Method prevents secondary radiation in radiographic inspection. Oct. 1967. 1 p. il. 4° (MFS-13383.)
- 17999 67-10393. Study made to establish parameters and limitations of explosive welding. Oct. 1967. [2] p. 4° ([MFS-13006.])
- 18000 67-10394. Experiments to investigate particulate materials in reduced gravity fields. Oct. 1967. [2] p. 4° ([MFS-13308.])
- 18001 67-10396. Multiplexer uses insulated gate-field effect transistors. Oct. 1967. 1 p. 4° (MFS-13096.)
- 18002 67-10402. Automatic telemetry checkout system. Nov. 1967. 1 p. 4° (MFS-12580.)
- 18003 67-10403. Wear studies made of slip rings and gas bearing components. Nov. 1967. 1 p. 4° (MFS-12682.)
- 18004 67-10404. Control apparatus for spectral energy source. Nov. 1967. [2] p. il. 4° ([Lewis-391.])
- 18005 67-10410. Current steering commutator offers versatility. Oct. 1967. [2] p. il. 4° ([JPL-S12.])

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 47

GOVERNMENT PUBLICATIONS

NASA tech briefs—Continued

- 1S006 67-10413. Study of hydrogen slush-hydrogen gel utilization. Oct. 1967. 1 p. 4° (MFS-13068.)
 1S007 67-10420. Concept for cryogenic liquid reclamation system. Nov. 1967. [2] p. il. 4° ((NPO-10322.))

NASA technical note TN (series).

NAS 1.14: D-(nos.)

- 1S008 D-4108. Generalized decomposition theory of finite sequential machines [with list of references]; by H. Allen Curtis. Oct. 1967. cover title, [1]+46 p. il. 4° Φ Paper, \$3.00.
 1S009 D-4126. Technical history of environmental control system for Project Mercury [with list of references]; by Frank H. Samonski, jr. Oct. 1967. cover title, viii+110 p. il. 4° Φ Paper, \$3.00.
 1S010 D-4128. Studies of airframe-propulsion-system integration for Mach 6 cruise vehicles [with list of references]; by Frank S. Kirkham [and others]. Oct. 1967. cover title, [1]+21 p. il. 4° Φ Paper, \$3.00.
 1S011 D-4129. Transition fixing for hypersonic flow [with list of references]; by James R. Sterrett [and others]. Oct. 1967. cover title, [1]+20 p. il. 4° [Presented at classified Conference on Hypersonic Aircraft Technology, Ames Research Center, May 16-18, 1967, and published in NASA SP-148.] Φ Paper, \$3.00.
 1S012 D-4137. Determination of tungsten resonance absorption integrals by activation [with list of references]; by Clarence R. Pierce and Donald F. Shook. Oct. 1967. cover title, [1]+32 p. il. 4° Φ Paper, \$3.00.
 1S013 D-4139. Static longitudinal aerodynamic characteristics of hammerhead-shaped Little Joe II-lunar module model at Mach 0.30 to 1.20 [with list of references]; by Arvo A. Luoma and Charles D. Harris. Oct. 1967. cover title, [1]+153 p. il. 4° Φ Paper, \$3.00.
 1S014 D-4145. Description of 4 fast slitless spectrographs [with list of references]; by Gale A. Harvey. Oct. 1967. cover title, [1]+38 p. il. 4° Φ Paper, \$3.00.
 1S015 D-4147. Vapor-pressure data extrapolated to 1000 atmospheres ($1.01 \times 10^6 \text{ N/m}^2$) for 13 refractory materials with low thermal absorption cross sections [with list of references]; by Charles C. Masser. Oct. 1967. cover title, [1]+32 p. il. 4° Φ Paper, \$3.00.
 1S016 D-4148. Performance potential of radiant-heat-transfer liquid-core nuclear rocket engine [with list of references]; by Robert G. Ragsdale. Oct. 1967. cover title, [1]+25 p. il. 4° Φ Paper, \$3.00.
 1S017 D-4167. Round-trip trajectories to moons of Jupiter [with list of references]; by Roger W. Luidens and John Edgar. Oct. 1967. cover title, [1]+40 p. il. 4° Φ Paper, \$3.00.
 1S018 D-4168. Hall coefficient of tantalum carbide as function of carbon content and temperature [with list of references]; by Gilbert J. Santoro and R. T. Delloff. Oct. 1967. cover title, [1]+8 p. il. 4° Φ Paper, \$3.00.
 1S019 D-4171. Normal gravity self-pressurization of 9-inch- (23 cm) diameter spherical liquid hydrogen tankage [with list of references]; by John C. Aydelott. Oct. 1967. cover title, [1]+47 p. il. 4° Φ Paper, \$3.00.
 1S020 D-4183. Body motions and angles of attack during Project Fire flight II reentry [with list of references]; by William I. Seallion and John H. Lewis, jr. Oct. 1967. cover title, [1]+81 p. il. 4° Φ Paper, \$3.00.
 1S021 D-4188. Experimental investigation of boundary-layer transition on cooled 7.5 total-angle cone at Mach 10 [with list of references]; by Phillip E. Everhart and H. Harris Hamilton. Oct. 1967. cover title, [1]+34 p. il. 4° Φ Paper, \$3.00.
 1S022 D-4189. Frequency response of forced-flow single-tube boiler with inserts [with list of references]; by Jack H. Goodykoontz, Grady H. Stevens, and Eugene A. Krejsa. Oct. 1967. cover title, [1]+37 p. il. 4° Φ Paper, \$3.00.
 1S023 D-4190. Heterodyne operation of avalanche photodiodes [with list of references]; by D. E. Sawyer. Oct. 1967. cover title, [1]+10 p. il. 4° Φ Paper, \$3.00.
 1S024 D-4191. Studies of optimum body shapes at hypersonic speeds [with list of references]; by Louis S. Stivers, jr., and Bernard Spencer, jr. Oct. 1967. cover title, [1]+15 p. il. 4° [Presented at NASA Conference on Hypersonic Aircraft Technology, Ames Research Center, May 16-18, 1967.] Φ Paper, \$3.00.
 1S025 D-4192. Experimental investigation of effect of model scale on structural-joint damping [with list of references]; by David G. Stephens, Brantley R. Hanks, and Maurice A. Scavullo. Oct. 1967. cover title, [1]+23 p. il. 4° Φ Paper, \$3.00.
 1S026 D-4193. Turbulent-boundary layer characteristics of pointed slender bodies of revolution at supersonic speeds [with list of references]; by Jerry M. Allen and William J. Monta. Oct. 1967. cover title, [1]+107 p. il. 4° Φ Paper, \$3.00.
 1S027 D-4194. Effects of dielectric covers over cross slots in rectangular waveguide [with list of references]; by Marion C. Bailey. Oct. 1967. cover title, [1]+45 p. il. 4° Φ Paper, \$3.00.
 1S028 D-4197. Input admittance of rectangular waveguide-fed aperture antenna radiating into inhomogeneous lossy dielectric slab [with list of references]; by Calvin T. Swift. Oct. 1967. cover title, 1+30 p. il. 4° Φ Paper, \$3.00.
 1S029 D-4198. Dynamic flight behavior of ballasted sphere at Mach numbers from 0.4 to 14.5 [with list of references]; by Barbara J. Short. Oct. 1967. cover title, [1]+33 p. il. 4° Φ Paper, \$3.00.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 18030 D-4200. Monte Carlo program for calculation of Doppler coefficients [with list of references]; by Robert E. Sullivan. Oct. 1967. cover title, [1]+43 p. il. 4° Φ Paper, \$3.00.
- 18031 D-4201. Investigation of water rejection from hydrogen-oxygen fuel cell to hydrogen stream [with list of references]; by Paul R. Prokopins and Norman H. Hagedorn. Oct. 1967. cover title, [1]+24 p. il. 4° Φ Paper, \$3.00.
- 18032 D-4202. Mechanism of deuteron breakup by 42-Mev alpha particles [with list of references]; by Robert E. Warner and Robert W. Bercaw. Oct. 1967. cover title, [1]+15 p. il. 4° Φ Paper, \$3.00.
- 18033 D-4204. Some dynamic characteristics of electron-bombardment ion thruster [with list of references]; by Eugene V. Pawlick, Shigeo Nakanishi, and Harvey R. Algeri. Oct. 1967. cover title, [1]+51 p. il. 4° Φ Paper, \$3.00.
- 18034 D-4205. Experimental investigation of variable-length constant-velocity traveling magnetic wave plasma accelerator [with list of references]; by Raymond W. Palmer and Robert E. Jones. Oct. 1967. cover title, [1]+20 p. il. 4° Φ Paper, \$3.00.
- 18035 D-4206. Radio-frequency induction heating of low-pressure plasmas [with list of references]; by Ronald J. Sovie and George R. Seikel. Oct. 1967. cover title, [1]+60 p. il. 4° Φ Paper, \$3.00.
- 18036 D-4207. Design and analysis of rate augmented digital-to-analog converter [with list of references]; by Sheldon Kopelson. Nov. 1967. cover title, [1]+32 p. il. 4° Φ Paper, \$3.00.
- 18037 D-4208. Small volume, ultrahigh vacuum system for ionization gage studies [with list of references]; by R. A. Outlaw and James M. Bradford, jr. Nov. 1967. cover title, [1]+17 p. il. 4° Φ Paper, \$3.00.
- 18038 D-4209. Preliminary evaluation of XB-70 airplane encounters with high-altitude turbulence [with list of references]; by Eldon E. Kordes and Betty J. Love. Oct. 1967. cover title, [1]+21 p. il. 4° Φ Paper, \$3.00.
- 18039 D-4211. Aerodynamic characteristics of several cranked leading-edge wing-body combinations at Mach numbers from 0.4 to 2.94 [with list of references]; by Edward J. Hopkins, Raymond M. Hicks, and Ralph L. Carmichael. Oct. 1967. cover title, [1]+90 p. il. 4° Φ Paper, \$3.00.
- 18040 D-4212. Chemical impurity data on selected artificial graphites with comments on catalytic effect of impurities on oxidation rate [with list of references]; by Howard G. Maahs and David R. Schryer. Oct. 1967. cover title, [1]+27 p. il. 4° Φ Paper, \$3.00.
- 18041 D-4214. Some effects of Mach number and geometry on sonic boom [with list of references]; by Raymond M. Hicks, Joel P. Mendoza, and Lynn W. Hunton. Oct. 1967. cover title, [1]+10 p. il. 4° [Presented at NASA Conference on Hypersonic Aircraft Technology, Ames Research Center, May 16-18, 1967.] Φ Paper, \$3.00.
- 18042 D-4215. Dynamic model investigation of touchdown stability of lunar-landing vehicles [with list of references]; by Robert W. Herr and H. Wayne Leonard. Oct. 1967. cover title, [1]+22 p. il. 4° Φ Paper, \$3.00.
- 18043 D-4216. Procedure for computing motion of lunar-landing vehicle during landing impact [with list of references]; by William C. Walton, jr., and Barbara J. Durling. Oct. 1967. cover title, iv+70 p. il. 4° Φ Paper, \$3.00.
- 18044 D-4217. Development of respiration-rate transducers for aircraft environments [with list of references]; by Robert T. McDonald and James Roman. Oct. 1967. cover title, [1]+16 p. il. 4° Φ Paper, \$3.00.
- 18045 D-4218. Longitudinal aerodynamic characteristics in ground effect of large-scale, V/STOL model with 4 tilting ducted fans arranged in dual tandem configuration [with one reference]; by Demo J. Ginliantetti, James C. Biggers, and Ralph L. Maki. Oct. 1967. cover title, [1]+29 p. il. 4° Φ Paper, \$3.00.
- 18046 D-4219. Decoupling in design and synthesis of multivariable control systems [with list of references]; by Peter L. Falb and William A. Wolovich. Oct. 1967. cover title, [1]+30 p. il. 4° Φ Paper, \$3.00.
- 18047 D-4220. Computerized data-reduction technique for Langmuir probe analysis of electron temperature variations in exhaust of magneto-plasmodynamic arc [with list of references]; by David R. Brooks and James M. Hoell, jr. Nov. 1967. cover title, [1]+22 p. il. 4° Φ Paper, \$3.00.
- 18048 D-4221. Vibrations of hollow elastic cylinder bonded to thin casing of different material [with list of references]; by Vasant S. Kelkar. Nov. 1967. cover title, [1]+26 p. il. 4° Φ Paper, \$3.00.
- 18049 D-4224. Present and future state of the art in guidance computer memories [with list of references]; by Robert C. Riehl. Nov. 1967. cover title, [1]+16 p. 4° Φ Paper, \$3.00.
- 18050 D-4225. Absorption coefficients of O_2 at oxygen windows [with list of references]; by Sharanand. Nov. 1967. cover title, [1]+6 p. il. 4° Φ Paper, \$3.00.
- 18051 D-4226. Stereographic representation of Knoop hardness anisotropy [with list of references]; by M. Garfinkle and R. G. Garlick. Nov. 1967. cover title, [1]+12 p. il. 4° Φ Paper, \$3.00.
- 18052 D-4227. Experimental steady-state performance of multitube, centrally finned, potassium condensing radiator [with list of references]; by Orlando A. Gutierrez, Loren W. Acker, and Nick J. Sekas. Nov. 1967. cover title, iv+121 p. il. 4° Φ Paper, \$3.00.
- 18053 D-4231. Static, subsonic, and supersonic oxidation of JT graphite composites [with list of references]; by John D. Buckley. Oct. 1967. cover title, [1]+40 p. il. 4° Φ Paper, \$3.00.

GOVERNMENT PUBLICATIONS

NASA technical report R (series).

NAS 1.12:(nos.)

- 18054 269. Approximate solution of equations of motion for arbitrary rotating spacecraft [with list of references]; by Peter R. Kurzhals, Oct. 1967. cover title, iv+151 p. il. 4° Φ Paper, \$3.00.
- 18055 272. Radiometric boresighting by sequential lobing [with list of references]; by George G. Haronles and Wilfred E. Browa III, Oct. 1967. cover title, [1]+25 p. il. 4° Φ Paper, \$3.00.
- 18056 274. Experimentally determined local flow properties and drag coefficients for family of blunt bodies at Mach numbers from 2.49 to 4.63 [with list of references]; by Robert L. Stallings, jr. Oct. 1967. cover title, [1]+35 p. il. 4° Φ Paper, \$3.00.

NASA technical translation TT (series).

- 18057 F-476. Quantum effects in information transmission systems [with list of references]; by I. A. Derrugin and V. N. Kurashov, Oct. 1967. cover title, [1]+25 p. il. 4° [From Izdatel'stvo Naukova Dumka, Kiev, 1966.] Φ Paper, \$3.00. NAS 1.13/2: F-476
- 18058 National Aeronautics and Space Administration procurement regulation, supp. 3, Property administration. Oct. 1967. cover title, iii+36 p. 4° (NPRS 3.) [Issued in looseleaf form. Supplements 1 and 2 reserved.] * Paper, 35c. • Item 830-N NAS 1.6/2: 964/supp.3
- 18059 Speaking of space & aeronautics. ([Office of Public Affairs.]) [Current, significant material relating to U.S. program to provide information for educational community and general public.] v. 4, no. 1. From Runnymede to Ganymede; by James E. Webb. [July 1967.] cover title, 15 p. narrow 8° [Address delivered at Celebration of Prelude to Independence, Williamsburg, Va., May 27, 1967.] † NAS 1.32: 4/1

NATIONAL ARCHIVES AND RECORDS SERVICE, General Services Administration, Washington, DC 20408

National Archives microfilm publications: Pamphlet accompanying microcopy. (National Archives.) † GS 4.20:(nos.)

- 18060 281. Despatches from United States consuls in Matamoros, 1826-1906; [prepared by Frank Cadisch]. 1967. [1]+5 p.
- 18061 345. Union provost marshals' file of papers relating to individual civilians. 1967. [1]+6 p.
- 18062 632. Records of Department of State relating to internal affairs of Nicaragua, 1910-29; [prepared by James E. Primas]. 1967. [1]+10 p.
- 18063 644. Records of Department of State relating to internal affairs of Bolivia, 1910-29; [prepared by James E. Primas]. 1967. [1]+8 p.
- 18064 647. Records of Department of State relating to internal affairs of Honduras, 1910-29; [prepared by Ralph E. Huss]. 1967. [1]+14 p.
- 18065 648. Records of Department of State relating to political relations between United States and Honduras, 1910-29; [prepared by Thomas A. Devan and James E. Primas]. 1967. [1]+5 p.
- 18066 670. Records of Department of State relating to political relations between United States and Costa Rica, 1910-29; [prepared by James E. Primas]. 1967. [1]+5 p.
- 18067 672. Records of Department of State relating to internal affairs of Central America, 1910-29; [prepared by James E. Primas]. 1967. [1]+5 p.
- 18068 676. Records of Department of State relating to political relations between United States and Belgium, 1910-29; [prepared by Ralph E. Huss]. 1967. [1]+4 p.
- 18069 677. Records of Department of State relating to Belgium and other States, 1910-29; [prepared by Ralph E. Huss]. 1967. [1]+5 p.
- 18070 678. Compiled service records of volunteer soldiers who served during War of 1812 in organizations from Territory of Mississippi. 1967. 4 p.
- 18071 681. Records relating to appointment of Federal judges, attorneys, and marshals for Territory and State of Idaho, 1861-99; [prepared by Norman D. Moore]. 1967. 8 p.
- 18072 685. Records relating to enrollment of Eastern Cherokee by Guion Miller, 1908-10; [prepared by Kathleen E. Riley]. 1967. 4 p.
- 18073 692. Compiled service records of volunteer Union soldiers who served in organizations from Territory of Utah. 1967. [1]+2 p.

Preliminary inventories. † (Limited distribution). Publications Sales Branch, National Archives and Records Service, Washington, D.C. 20408

- 18074 169. Preliminary inventory of Treasury Department collection of Confederate records (record group 365); compiled by Carmelita S. Ryan. 1967. ix+65 p. 4° ([National Archives publication 683: 3.]) L.C. card A 67-740 GS 4.10: 169

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

NATIONAL BUREAU OF STANDARDS, Commerce Dept. Gaithersburg, MD 20760

Building science series.

- 18075 10. Field burnout tests of apartment dwelling units [with list of references; by] D. Gross, Sept. 29, 1967. [21]+23 p. il. 4° (Building Research Division, Institute for Applied Technology.) * Paper, 25c. ● Item 241-A
C 13.29/2: 10

Miscellaneous publication.

- 18076 293. See below, 1967 technical highlights of National Bureau of Standards, annual report, fiscal year 1967.

National standard reference data series, NSRDS-NBS.

- 18077 11. Tables of molecular vibrational frequencies, pt. 2 [with list of references; by] Takehiko Shimanouchi, Oct. 1967. iv+38 p. 4° (Category 3, Atomic and molecular properties.) * Paper, 30c. ● Item 248-B
L.C. card 66-60085 C 13.48: 11

- 18078 Radio Standards Laboratory. [June 1967.] [6] p. il. narrow 8° †
C 13.2: R 11/2

- 18079 1967 technical highlights of National Bureau of Standards, annual report, fiscal year 1967. Nov. 1967. iv+162 p. il. (Miscellaneous publication 293.) [Title on cover is: 1967 technical highlights of National Bureau of Standards, annual report for Institute of Basic Standards, Institute for Materials Research, Institute for Applied Technology.] * Paper, 55c.
● Item 238 & 247
L.C. card 6-23979 C 13.1: 967

Technical notes. ● Item 249-A

C 13.46: (nos.)

- 18080 423. Electrochemical Analysis Section: Summary of activities, July 1966-June 1967 [with bibliographies]; edited by Roger G. Bates, Oct. 1967. x+77 p. il. 4° [3d annual report on progress of Electrochemical Analysis Section, Analytical Chemistry Division.] * Paper, 50c.
- 18081 427. Organic chemistry: Air pollution studies, Characterization of chemical structures, Synthesis of research materials, Novel research materials, Isotopic methods for analysis of carbohydrates, Occurrence, preparation, and properties of naturally occurring monosaccharides, including 6 deoxy sugars, Standard reference materials, organic, July 1966-June 1967 [with list of references]; edited by Robert Schaffer, Oct. 1967. x+74 p. il. 4° (Organic Chemistry Section, Analytical Chemistry Division, Institute for Materials Research.) * Paper, 45c.
- 18082 431. Second breakdown in semiconductor devices, bibliography; [by] Harry A. Schafft, Oct. 1967. [31]+40 p. 4° (Electronic Instrumentation Division, Institute for Applied Technology.) * Paper, 30c.
L.C. card 67-62945
- 18083 434. Life cycling test on several strain gage pressure transducers [with list of references; by] Paul S. Lederer, Oct. 1967. iii+12 p. 9 p. of pl. 4° (Electronic Instrumentation Division, Institute for Applied Technology.) * Paper, 20c.

NATIONAL COLLECTION OF FINE ARTS, Smithsonian Institution, Washington, DC 20560

- 18084 George Caleb Bingham 1811-79 catalog [with selected bibliography]. [1967.] vi+99 p. il. 4° ([Smithsonian publication 4725.]) [Exhibition National Collection of Fine Arts, Smithsonian Institution, Oct. 19, 1967-Jan. 1, 1968, Cleveland Museum of Art, Cleveland, Ohio, Jan. 24-Mar. 10, 1968, Art Galleries, University of California at Los Angeles, Los Angeles, Calif., Apr. 7-May 19, 1968. Catalog of paintings and drawings and chronology derived from forthcoming books by E. Maurice Bloch: George Caleb Bingham evolution of an artist and companion, Catalogue raisonné, with kind permission of publisher, University of California Press.] † (Price upon application). ● Item 916
L.C. card 67-62923 S1 6.2: B 51

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 51

GOVERNMENT PUBLICATIONS

NATIONAL COUNCIL ON MARINE RESOURCES AND ENGINEERING DEVELOPMENT, Executive Office of the President, Executive Office Building, Washington, DC 20500

NOTE.—The National Council on Marine Resources and Engineering Development was established as an agency in the Executive Office of the President by Public law 89-454, June 17, 1966.

- 18085 United States activities in spacecraft oceanography; prepared by National Aeronautics and Space Administration and Naval Oceanographic Office, with assistance of Bureau of Commercial Fisheries and Environmental Science Services Administration. Oct. 1, 1967. [5]+44 p. il. 4° [Some illustrations are colored.] * Paper, 65c. ● Item 1070-H
L.C. card 67-62880 PrEx 12.2: Sp 1

NATIONAL HIGHWAY SAFETY BUREAU, Transportation Dept. Washington, DC 20591

NOTE.—The National Highway Safety Bureau was established under the Federal Highway Administration of the Transportation Department by Public law 89-670, approved Oct. 15, 1966.

- 18086 Motor vehicle safety defect recall campaigns reported to Department of Transportation by domestic and foreign vehicle manufacturers, Sept. 9, 1966-Sept. 9, 1967. [1967.] vi+13 p. il. 4° * Paper, 20c. ● Item 982-D-1 TD 2.202: M 85
- 18087 National Driver Register [State driver records exchange service]. Sept. 1967. [4]+24 p. il. * Paper, 25c. ● Item 982-D-1 L.C. card 67-62914 TD 2.202: D 83

NATIONAL LABOR RELATIONS BOARD Washington, DC 20570

- 18088 Paradoxes in labor-management relations; by Bernard Cushman, Special Assistant to General Counsel, National Labor Relations Board, before Amalgamated Transit Union Convention, New Orleans, La., Oct. 10, 1967. 1967. [1]+10 p. 4° (R-1091.) † LR 1.7: C 95

NATIONAL MUSEUM, Smithsonian Institution Washington, DC 20560

Proceedings of National Museum.

- 18089 3624. Composition of Allegan, Bur-Ghelual, and Cynthiana meteorites [with list of literature cited]; by Brian Mason and A. D. Maynes, 1967, v. 124, cover title, 12 p. il. † ● Item 922 SI 3.6: 124/3624

NATIONAL PARK SERVICE, Interior Dept. Washington, DC 20242

- 18090 Agate Fossil Beds National Monument, Nebr. [1967.] [10] p. il. narrow 8° * Paper, 10c. ● Item 650 I 29.21: Ag 1/967
- 18091 Hubbell Trading Post National Historic Site, Ariz. [1967.] [10] p. il. narrow 8° * Paper, 10c. ● Item 650 I 29.21: H 86/967

NATIONAL TRANSPORTATION SAFETY BOARD, Transportation Dept. Washington, DC 20590

NOTE.—The National Transportation Safety Board was established in the Transportation Department by Public law 89-670, approved Oct. 15, 1966.

- 18092 Opening remarks of Joseph J. O'Connell, jr., chairman, National Transportation Board, before panel Safety in manned operations, 4th annual meeting, American Institute of Aeronautics and Astronautics, Anaheim, Calif., Oct. 23, 1967. [1967.] [1]+5 p. 4° † TD 1.110: Oc 5/3
- 18093 Remarks by Joseph J. O'Connell, jr., Chairman, National Transportation Safety Board before American Trucking Associations, Chicago, Ill., Oct. 18, 1967. [1967.] [1]+11 p. 4° † TD 1.110: Oc 5/2

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 18094 Remarks by Louis M. Thayer, member, National Transportation Safety Board, prepared for delivery before National Safety Congress, Chicago, Ill., Oct. 25, 1967. [1967.] 11 p. 4° † TD 1.110: T 33

NAVAL FACILITIES ENGINEERING COMMAND, Defense Dept. Washington, DC 20360

Design manual DM (series). [Issued in looseleaf form.]

- 18095 4. Electrical engineering [with list of criteria sources]. July 1967. xli+[147] p. il. 4° [Cancels and supersedes Feb. 1962 edition and all changes issued.] * Paper, \$1.00. ● Item 418-A D 209.14/2: 4/2

NAVAL OCEANOGRAPHIC OFFICE, Defense Dept. Washington, DC 20390

Publications. ● Item 378 (Rev. 1957) D 203.22: (nos.)

- 18096 50. Change 11, Aug. 26, 1967, loose leaf change pages for correcting Sailing directions for southwest coast of Africa, 4th edition, 1951. [1967.] [140] p. il. 4° [Formerly no. 103. Includes list of effective pages.] † Paper, 35c.
- 18097 52. Change 10, July 22, 1967, loose leaf change pages for correcting Sailing directions for Mediterranean, v. 1, 4th edition, 1952. [1967.] [190] p. il. 4° [Formerly no. 151. Includes list of effective pages.] † Paper, 35c.
- 18098 78. Change 10, Aug. 5, 1967, loose leaf change pages for correcting Sailing directions for New Zealand, 3d edition, 1952. [1967.] [280] p. il. 4° [Formerly no. 171. Includes list of effective pages.] † Paper, 35c.
- 18099 111B. Change 15, Sept. 9, 1967, List of lights and fog signals, west coasts of North and South America (excluding continental U.S.A. and Alaska), Hawaiian Islands, Australia, Tasmania, New Zealand and islands of North and South Pacific Oceans. 1967. [126] p. 4° [Includes list of effective pages and Notice to Mariners 36, 1967. Issued in looseleaf form.] † Paper, 50c.
- 18100 113. Change 15, Aug. 26, 1967, List of lights and fog signals, west coasts of Europe and Africa, Mediterranean Sea, Black Sea, and Azovskoye More (Sea of Azov). 1967. [142] p. 4° [Includes list of effective pages and Notice to Mariners 34, 1967. Issued in looseleaf form.] † Paper, 50c.
- 18101 116. Change 15, list of lights and fog signals; Baltic Sea with Kattegat, belts and sound and Gulf of Bothnia; Sept. 23, 1967, 1967. [99] p. 4° [Includes list of effective pages and Notice to Mariners 38, 1967. Issued in looseleaf form.] † Paper, 50c.
- 18102 117A. Change 15, Aug. 26, 1967, radio navigational aids, Atlantic and Mediterranean area. 1967. [121] p. 4° [Includes list of effective pages and Notice to mariners 34, 1967. Issued in looseleaf form.] † Paper, 50c.

NAVAL OPERATIONS OFFICE, Defense Dept. Washington, DC 20390

- 18103 Flags, pennants and customs, Change 1. July 24, 1967. [62] p. il. 4° (DNC 27(A); Naval Communications Command.) [Includes list of effective pages. Issued in looseleaf form.] † ● Item 400 D 207.6: F 59/ch.1

NAVAL PERSONNEL BUREAU, Defense Dept. Washington, DC 20390

- 18104 Alcohol, fun or folly?, by Lindsay R. Curtis; illustrated by Len Borozinski. Revised edition 1966. [1967.] 70 p. il. ([NAVPERS 15228; General Military Training and Support Division.]) [Copyright 1966, produced for government use under copyright license contract NOD-9933.] † ● Item 403 L.C. card 65-27483 D 208.2: A1 1
- 18105 Aviation structural mechanic H 3 & 2 [with reading list; prepared by Navy Training Publications Center, Memphis, Tenn.]. [1967 edition.] [1967.] cover title, iv+391 p. il. 4° (Navy training course; NAVPERS 10310-A.) [Some illustrations are colored.] † ● Item 404 L.C. card 67-62881 D 208.11: Av 5/29/967
- 18106 Catalog of programmed instructional material. Aug. 1967. cover title, iv+[404] p. 4° (NAVPERS 93826.) [Issued with perforations.] * Paper, \$2.00. ● Item 401-A D 208.15: P 94/2

‡For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 18107 Manual of advancement in rate or rating, Change 2 [with list of References pertaining to advancement of enlisted personnel]. Oct. 1, 1967. [9S] p. 4° (NAVPERS 15989.) [Issued in looseleaf form.] ‡ • Item 403-A D 208.6/3 : R 18/ch.2
- 18108 Manual of Navy officer classification, Change 4. Aug. 22, 1967. [227] p. 4° (NAVPERS 15839A). [Issued in looseleaf form.] ‡ • Item 403-A D 208.6/3 : C 56/2/ch.4

NAVAL RESEARCH OFFICE, Defense Dept. Washington, DC 20390

Naval Training Device Center, Orlando, Fla.: Technical report NAV-TRADEVEN (series).

- 18109 1327-4. Team training [with list of references; by] George E. Briggs, William A. Johnston. June 1967. cover title, v+79+[6] p. il. 4° (Human Performance Center, Ohio State University, Columbus, Ohio; contract N61339-1327.) [Text on pa. 2 of cover.] ‡ D 210.14 : 1327-4
- NRL reports. (Naval Research Laboratory.) D 210.8 : (nos.)
- 18110 6496. Effect of adsorbed water upon spreading of organic liquids on soda-lime glass [with list of references; by] Elaine G. Shafrin and W. A. Zisman. Mar. 24, 1967. cover title, ii+22+[4] p. il. 4° ([NRL problem C02-21, ONR project P0-6-0035, subproject RR 001-02-01.]) • Paper, \$3.00 (AD 651056).
- 18111 6529. Prediction of absolute entropies from gas chromatographic retention data [with list of references; by] Frederick W. Williams and Homer W. Carhart. Mar. 22, 1967. cover title, ii+14+[3] p. il. 4° ([NRL problem C01-03, project RR 010-01-44-5850.]) • Paper, \$3.00 (AD 651036).
- 18112 6562. Refractometric sensing of H₂SO₄ specific gravity in lead-acid cell operation [with list of references; by] Jeanne Burbank. July 5, 1967. cover title, ii+12 p. + [2] leaves. il. 4° (NRL problem C05-14, projects SF 013-06-06-4366 and RR 001-01-43-4755.) • Paper, \$3.00 (AD 658747).
- 18113 6563. Surface effects in photodegradation of polymer films [with list of references; by] T. R. Price and R. B. Fox. July 5, 1967. [1]+ii+16+[4] p. il. 4° ([NRL problem C04-04, projects RR 001-02-43-4801 and SF 020-04-06-1201.]) • Paper, \$3.00 (AD 657608).
- 18114 6572. Randle Cliff radar digital range-measuring instrument; [by] P. L. Watkins and F. D. Clarke. July 19, 1967. cover title, iv+32+[4] p. il. 4° ([NRL problem R02-05, project RF 001-02-41-4001.]) • Paper, \$3.00 (AD 657306).
- 18115 Training device developments; [Charles T. Bourne, editor]. (NAVSO P-1300; Naval Training Device Center, Orlando, Fla.) [Bimonthly.] ‡ D 210.14/4 : (nos.)
no. 37— July 1967—

OUTDOOR RECREATION BUREAU, Interior Dept. Washington, DC 20240

- 18116 Northern New England vacation home study, 1966. [1967.] iv+12 p. il. 4°
‡ • Item 657-B-1 I 66.2 : V 13

PATENT OFFICE, Commerce Dept. Washington, DC 20231

Classification definitions. [Issued with perforations.] • Item 252
C 21.3/2 (nos.)

- 18117 class 5. Beds; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [2]+3+35 p. 4° [Original classification by E. R. Cole.] • Paper, 50c.
- 18118 class 13. Electric furnaces; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [2]+1+6 p. 4° • Paper, 10c.
- 18119 class 21. Preserving, disinfecting and sterilizing; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [2]+1+11 p. 4° [Original classification by J. H. Merchant.] • Paper, 25c.
- 18120 class 33. Geometrical instruments; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [2]+2+23 p. 4° [Original classification by W. L. Thurber. Subsequent revision by C. D. Angel.] • Paper, 25c.
- 18121 class 60. Power plants; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [56] p. 4° [Original classification by H. Kenelpp. Subsequent revision by G. L. Brillhart and others.] • Paper, 50c.

*For Sale by Superintendent of Documents
‡Distribution Made by Issuing Office
‡Official Use. Not Available

DECEMBER 1967

- 18122 class 122. Liquid heaters and vaporizers; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [2]+5+56 p. 4° [Original classification by B. M. Dimick.] * Paper, 75c.
- 18123 class 127. Sugar, starch and carbohydrates; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [2]+8 p. 4° [Original classification by L. R. Grabill.] * Paper, 10c.
- 18124 class 134. Cleaning and liquid contact with solids; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [46] p. 4° [Original classification by M. A. Stewart.] * Paper, 50c.
- 18125 class 136. Batteries; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [25] p. 4° [Original classification by E. E. Mann. Subsequent revision by T. F. Lomont.] * Paper, 25c.
- 18126 class 137. Fluid handling; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [160] p. 4° [Original classification C.E.D. Subsequent revision by C. D. Angel and others.] * Paper, \$1.75.
- 18127 class 165. Heat exchange; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [2]+2+26 p. 4° [Original classification by L. R. Frye and others.] * Paper, 25c.
- 18128 class 174. Electricity, conductors and insulators; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [58] p. 4° [Original classification by J. D. Seers. Subsequent revision by J. E. Lady.] * Paper, 50c.
- 18129 class 180. Motor vehicles; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [25] p. 4° [Original classification by A. W. Davidson. Subsequent revision by C. D. Angel and others.] * Paper, 25c.
- 18130 class 185. Motors, spring, weight and animal powered; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [2]+1+6 p. 4° [Original classification by L. W. Worrell.] * Paper, 10c.
- 18131 class 191. Electricity, transmission to vehicles; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [2]+1+10 p. 4° [Original classification by R. A. Brannigan.] * Paper, 25c.
- 18132 class 192. Clutches and power-stop control; revised by Office of Examining and Classifying Control. Revision 1. Sept. 1967. [27] p. 4° [Original classification by E. B. Olney. Subsequent revision by J. Wegbreit and others.] * Paper, 25c.
- 18133 class 260. Chemistry, carbon compounds; revised by Office of Examining and Classifying Control. Revision 1. Aug. 1967. [165] p. 4° [Original classification by M. C. Rosa. Subsequent revision by Edw. M. Fink and others.] * Paper, \$1.75.
- 18134 class 401. Coating implements with material supply, established by Office of Examining and Classifying Control. Oct. 18, 1967. [2]+3+70 p. il. 4° [Original classification by L. Summer and others.] * Paper, 75c.

POST OFFICE DEPARTMENT Washington, DC 20260

- 18135 Address by Postmaster General Lawrence F. O'Brien at first day ceremony of George C. Marshall stamp, Lexington, Va., Oct. 24, 1967. 1967. 6 leaves, 4° (Information Service: General release 157.) † P 1.27: Ob 6/28
- 18136 Annual report of Postmaster General, Post Office Department, July 1, 1966-June 30, 1967. [1967.] viii+166 p. il. [Also issued as H. doc. 160, 90th Cong. 1st sess.] * Paper, 60c. ● Item S35
L.C. card S-10371 P 1.1: 967

[Commemorative stamp posters.]

NOTE.—Commemorative stamp posters, which will be issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.

- 18137 5-cent Mississippi statehood commemorative postage stamp available at your local post office Dec. 12, 1967. 1967. 10.5 x 8 in. P 1.26: 2: M 69
- 18138 5-cent Washington re-designed, regular postage stamp first placed on sale at New York, N.Y., Nov. 17, 1967. 1967. 10.5 x in P 1.26/2: W 27/3
- 18139 8-cent international postal card on sale at Washington, D.C., Dec. 4, 1967. 1967. 10.5 x 8 in. P 1.26/2: In S/10

PRESIDENT OF UNITED STATES Washington, DC 20501

- 18140 Afflicting the comfortable, remarks of William P. McCahill, Executive Secretary, President's Committee on Employment of the Handicapped, at annual convention of Easter Seal Society, Houston, Tex., Oct. 14, 1967. [1967.] 13 p. 4° † President's Committee on Employment of the Handicapped, 7131 Department of Labor Building, Washington, D.C. 20210
PrEx 1.10/2: M 12/5

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 18141 Analysis of workstoppages on U.S. missile sites, June 1, 1966-June 1, 1967. Aug. 1967. [28] leaves, il. 4° ([President's Missile Sites Labor Commission.]) † Labor Department Pr 35.8 : M 69/W 89/966-67
- 18142 Federal approach to multiply handicapped, remarks of William P. McCahill, Executive Secretary, President's Committee on Employment of the Handicapped, before American Federation of Catholic Workers for the Blind, Oct. 10, 1967, New York City [N.Y.] [1967.] 17 p. 4° † President's Committee on Employment of the Handicapped, 7131 Department of Labor Building, Washington, D.C. 20210 PrEx 1.10/2 : M 12/4
- 18143 Impact of returning disabled Vietnam veteran with reference to rehabilitation, remarks of William P. McCahill, Executive Secretary, President's Committee on Employment of the Handicapped, before Louisiana Rehabilitation Association Convention, Alexandria, La., Sept. 26, 1967. [1967.] 10 p. 4° † President's Committee on Employment of the Handicapped, 7131 Department of Labor Building, Washington, D.C. 20210 PrEx 1.10/2 : M 12/3
- 18144 National Advisory Commission on Food and Fiber: Technical papers.
v. 4. United States food and fiber system in changing world environment; by H. B. Arthur, R. A. Goldberg, and K. M. Bird. Aug. 1967. ix+82 p. * Paper, 35c. ● Item 851-J Pr 36.8 : F 73/T 22/v.4
- 18145 Physical fitness demonstration center schools, project of President's Council on Physical Fitness in cooperation with State departments of education. [1967.] [10] p. il. narrow 8° † President's Council on Physical Fitness, Room 2607, HEW-South, 330 C Street SW., Washington, D.C. 20201. ● Item 851-J Pr 35.8 : P 56/Sch 6
- 18146 Report of President's Commission on Budget Concepts. Oct. 1967. iv+109 p. * Paper, 50c. ● Item 851-J Pr 36.8 : B 85/R 29/967
L.C. card 67-62908
- 18147 This is President's Committee on Employment of the Handicapped. [1967.] [2]+10+[1] p. † President's Committee on Employment of the Handicapped, 7131 Department of Labor Building, Washington, D.C. 20210. ● Item 766-C PrEx 1.10 : P 92
L.C. card 67-62909

PRISONS BUREAU, Justice Dept. Washington, DC 20537

- 18148 Statistical report, fiscal year 1966; prepared by Research, Statistics & Development Branch. [FPI, July 10, 1967.] [2]+90 p. il. 4° (Division of Management and Planning.) † J 16.2 : P 93/3/966

PUBLIC DOCUMENTS DIVISION, Government Printing Office Washington, DC 20402

Price list PL (series). † ● Item 554 GP 3.9:(nos.)

- 18149 21. Fish and wildlife; Oct. 1967. 52d edition. [1967.] [2]+8 p.
L.C. card 26-26235
- 18150 36. Government periodicals and subscription services; Nov. 1967. 12th edition. [1967.] [2]+36 p.
L.C. card 26-26170
- 18151 50. American history; Oct. 1967. 49th edition. [1967.] il+22 p. il.
L.C. card 26-26331

PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept. Washington, DC 20201

- 18152 Artificial kidney, what it is, how it works. [Revised May 1967.] [1967.] cover title, [32] p. il. oblong 24° ([Publication 1409; Bureau of Disease Prevention and Environmental Control, National Center for Chronic Disease Control, Kidney Disease Control Program.]) * Paper, 15c. ● Item 485 FS 2.2 : K 54/967

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 18153 Bulletin of courses, July 1967-June 1968, training program, National Center for Air Pollution Control. [1967.] 31+[12] p. il. 4° (Bureau of Disease Prevention and Environmental Control.) † FS 2.92/3: 967-68
- 18154 Cancer services facilities and programs in United States; [compiled by] National Center for Chronic Disease Control, Cancer Control Program. [Revised 1965.] [May 1967.] iv+189 p. ([Publication 14]; Bureau of Disease Prevention and Environmental Control.) [Replaces publication 14 (revised 1962) and publication 404, State cancer control programs as planned for fiscal years 1954 and 1955.] * Paper, 75c. ● Item 485
L.C. card 60-64681 FS 2.2: C 16/5/965
- 18155 Careers in U.S. Public Health Service: Physical therapist. [1967.] [8] p. il. narrow 8° ([Publication 1661.]) † ● Item 485 FS 2.2: P 56/7
- 18156 — Veterinarian. [1967.] [8] p. il. narrow 8° † ● Item 485
FS 2.2: V 64/2
- 18157 Childhood leukemia, pamphlet for parents; [by] Stanford B. Friedman, Myron Karon, Gary Goldsmith. [Revised 1967.] [1967.] v+25 p. il. narrow 8° † ● Item 507 FS 2.22: L 57
- 18158 Community planning for nursing in District of Columbia metropolitan area, source book for planning; [prepared by] Division of Nursing. [May 1967.] vi+39+[1]+A104 p. 4° ([Publication 1676]; Bureau of Health Manpower.) [Map and illustration on cover.] * Paper, \$1.00. ● Item 485
L.C. card 67-62957 FS 2.2: C 73/13
- 18159 Dental services for American Indians and Alaska natives, annual report, fiscal year 1967. [1967.] viii+48 p. il. oblong 12° ([Publication 1724; Division of Indian Health.]) † ● Item 486-F
L.C. card 58-62415 FS 2.86/3: 967
- 18160 Division of Physician Manpower, its mission and organization. [Sept. 1967.] [8] p. il. narrow 8° ([Bureau of Health Manpower, Division of Physician Manpower, Information Office, Arlington, Va.]) † ● Item 485
FS 2.2: P 56/6/967
- 18161 Early detection of oral cancer using ex-foliate cytology, summary of training course. [1967.] cover title, [11] p. il. 12° ([Division of Dental Health, Dental Health Center, San Francisco, Calif.]) [Based on course prepared by Continuing Education Branch, Division of Dental Health. The last page is left blank for notes.] † FS 2.2: C 16/14
- 18162 Facts about nutrition [with list of source material on nutrition; prepared by National Institute of Arthritis and Metabolic Diseases, National Institutes of Health]. [Revised 1967.] [1967.] [2]+24+[2] p. il. oblong 24° ([Publication 917.]) * Paper, 25c. ● Item 507
L.C. card 67-62956 FS 2.22: N 95/967
- 18163 Families on guard against accidents. [Revised June 1967.] [1967.] [6] p. il. narrow 8° ([Publication 1674; Injury Control Program, National Center for Urban and Industrial Health.]) [Prepared in cooperation with Federal Extension Service, Agriculture Dept.] * Paper, \$2.50 per 100; single copy 5c. ● Item 496-A FS 2.6/2: A 2/3/967
- 18164 Guidelines for project grants for improvement in nurse training. [Sept. 1967.] [4]+10 p. 4° ([Publication 1592; Bureau of Health Manpower, Division of Nursing.]) † ● Item 496-A FS 2.6/2: G 76/5

Health information series. ● Item 486 FS 2.50: (nos.)

- 18165 27. Smallpox; [prepared by National Communicable Disease Center]. [Revised Jan. 1967.] [1967.] [8] p. narrow 8° ([Publication 230.]) * Paper, \$3.00 per 100; single copy, 5c.
- 18166 92. Multiple sclerosis, hope through research; [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health, with National Multiple Sclerosis Society.]. [Revised May 1967.] [1967.] 8 p. il. ([Publication 621.]) * Paper, \$3.25 per 100; single copy, 5c.
- 18167 90. Cataract & glaucoma, hope through research; [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health.]. [Revised May 1967.] [1967.] 30+[2] p. il. narrow 8° ([Publication 793.]) * Paper, \$11.25 per 100; single copy, 15c.

♣For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 57

GOVERNMENT PUBLICATIONS

Health mobilization series. (Division of Health Mobilization.)

- 18165 I-7. Nurses serve in Hurricane Betsy. 1967. iii+59 p. il. ([Publication 1071-I-7.]) [Text on p. 2 of cover.] * Paper, 25c. ● Item 486-E
FS 2.302: I-7
- 18169 Hill-Burton project register, hospital and medical facility projects approved under Hill-Burton program, complete listing projects approved July 1, 1947-June 30, 1967, separate listing projects approved during Apr.-June 1967. [1967.] xviii+249 p. 4° (Division of Hospital and Medical Facilities, Program Planning and Analysis Branch.) †
● Item 486-C
L.C. card 67-62925 FS 2.74: 947-67
- 18170 Laboratory aspects of syphilis. [May 1967.] [5]+21 p. il. ([Publication 1602]; Bureau of Disease Prevention and Environmental Control, National Communicable Disease Center, Venereal Disease Program.) [Illustration is colored.] * Paper, 25c. ● Item 504 FS 2.60/2: Sy 7/2
- 18171 List of health information leaflets and pamphlets of Public Health Service. [Revised Aug. 1967.] [1967.] [10] p. narrow 8° ([Publication 323.]) †
● Item 481-A FS 2.24 In 3/967

National Cancer Institute monograph.

- 18172 26. Second decennial review conference on cell tissue and organ culture [Tissue Culture Association, held at Bedford, Pa., Sept. 11-15, 1966, papers, with lists of references; edited by Benton B. Westfall]. Sept. 1967. xiii+429 p. il. [Supported by American Society; grant-19, 1966.] * Cloth, \$4.00.
● Item 507-L
L.C. card 67-62943 FS 2.22/18: 26
- 18173 National Institute of Dental Research; [prepared by staff of Information Office, National Institute of Dental Research]. [Revised 1967.] [1967.] [36] p. il. oblong 12° ([Publication 1340.]) [At head of title: Expanding world of dental science.] * Paper, 40c. ● Item 507
FS 2.22: D 43/7/967
- 18174 National Institute of Mental Health support programs; [prepared by Public Information Branch], National Institute of Mental Health. [1967.] v+54 p. oblong 12° ([Publication 1700; National Clearinghouse for Mental Health Information.]) * Paper, 40c. ● Item 507
L.C. card 67-62958 FS 2.22: N 21/8

NINDB research profiles. ● Item 507-A-6 FS 2.22/43: (nos.)

- 18175 1. Summary of research at National Institute of Neurological Diseases and Blindness. [Revised 1967.] 1967. v+29 p. il. ([Publication 1109.]) [Prepared as background information for this years' Congressional hearings on appropriations.] * Paper, 20c.
- 18176 2. Cerebrovascular disorders (strokes). [Revised 1967.] 1967. v+6 p. il. ([Publication 1110.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.
- 18177 3. Eye disorders. [Revised 1967.] 1967. v+20 p. il. ([Publication 1155.]) [Included in annual statement to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.
- 18178 4. Hearing, [language], and speech disorders. [Revised 1967.] 1967. vi+11 p. il. ([Publication 1156.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.
- 18179 6. Multiple sclerosis (MS). [Revised 1967.] 1967. v+5 p. il. ([Publication 1158.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.
- 18180 7. Neuromuscular disorders. [Revised 1967.] 1967. v+8 p. il. ([Publication 1159.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.
- 18181 8. Parkinson's disease. [Revised 1967.] 1967. v+7 p. il. ([Publication 1160.]) [Included in annual statement made to Congress of United States by Director of Neurological Diseases and Blindness.] * Paper, 15c.
- 18182 10. Epilepsy. [Revised 1967.] 1967. v+6 p. il. ([Publication 1327.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.
- 18183 13. Cerebral palsy. 1967. vi+12 p. il. ([Publication 1671.]) [Included in annual statement to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] * Paper, 15c.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 18184 Nursing careers among American Indians. [1967.] [10] p. il. narrow 8° ([Publication 1626.]) * Paper, 15c. ● Item 485 FS 2.2: N 93/33/967
- 18185 Proceedings of Public health conference on records and statistics, 11th national meeting June 20-24, 1966 [papers, with lists of references: prepared by National Center for Health Statistics]. [1967.] xii+380 p. il. 4° ([Publication 1594; PHCRS doc. 612.]) * Paper, \$2.25. ● Item 509-A
L.C. card 54-35446 FS 2.122: 966
- 18186 Smoking and illness. [July 1967, revised Sept. 1967.] [1967.] [2]+6 p. narrow 8° ([Publication 1662; Bureau of Disease Prevention and Environmental Control, National Center for Chronic Disease Control, National Clearinghouse for Smoking and Health.]) * Paper, \$7.00 per 100; single copy, 10c. ● Item 485 FS 2.2: Sm 7/7/967-2
- 18187 Spectrum of dental research; [prepared by Information Office], National Institute of Dental Research, National Institutes of Health. [1967.] [6]+28+[2] p. il. oblong 12° (Publication 1678.) * Paper, 35c. ● Item 507
L.C. card 67-62964 FS 2.22: D 43/9
- Vital and health statistics: Series 10, Data from National Health Survey. (National Center for Health Statistics.) ● Item 500-E
FS 2.85/2: 10/no. (nos.)
- 18188 39. Prescribed and nonprescribed medicines, type and use of medicines, United States, July 1964-June 1965; [by Alice J. Alderman]. Oct. 1967. [4]+41 p. il. 4° ([Publication 1000, series 10, no. 39; Division of Health Interview Statistics.]) * Paper, 30c.
L.C. card 67-60073
- 18189 40. Characteristics of persons with diabetes, United States, July 1964-June 1965 [with list of references; by Mary Lou Bauer]. Oct. 1967. [5]+44 p. il. 4° ([Publication 1000, series 10, no. 40; Division of Health Interview Statistics.]) [Replaces issue dated Aug. 1967. See Entry 14638 in Sept. 1967 Monthly Catalog.] * Paper, 35c.
L.C. card 67-61851
- 18190 Vital statistics of United States, 1965. ([National Center for Health Statistics, Division of Vital Statistics.])
v. 2. Mortality, pt. A, 1967. [427] p. 4° * Cloth, \$3.75. ● Item 510
L.C. card 40-26272 FS 2.112: 965/v.2/pt.A
- 18191 X-ray machine simulator [with bibliography]; prepared by E. Dale Trout, X-ray Science and Engineering Laboratory, Oregon State University. Oct. 1967. vii+69 p. il. 4° ([Publication 1718.]) Bureau of Disease Prevention and Environmental Control, National Center for Radiological Health, contract PH 86-65-92.) † ● Item 485
L.C. card 67-62935 FS 2.2: X 7/4

**PUBLIC ROADS BUREAU, Transportation Dept.
Washington, DC 20591**

- 18192 Engineering opportunities, bridge to your success in Bureau of Public Roads highway engineering training program. Sept. 1967. cover title, 20 p. il. oblong 12° * Paper, 30c. ● Item 265 TD 2.102: En 3
- 18193 Opportunities as professional highway engineer. Sept. 1967. [8] p. il. narrow 8° † TD 2.102: H 53
- 18194 Typical plans for retaining walls, reinforced concrete retaining walls, types 1, cantilever type, 2, counterfort type. Sept. 1967. cover title, [12] leaves. il. oblong large 8° * Paper, 45c. ● Item 265-A TD 2.108: W 15

**RECLAMATION BUREAU, Interior Dept.
Washington, DC 20240**

- 18195 Columbia Basin project, Wash. [1967.] [8] p. il. narrow 8° † ● Item 660 I 27.2: C 72/15/967

4For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

REHABILITATION SERVICES ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20201

NOTE.—The Rehabilitation Services Administration has been assigned to the Social and Rehabilitation Service which was established August 15, 1967, by the Secretary of the Department of Health, Education, and Welfare in a major realignment of Federal welfare rehabilitation and social welfare service programs. The Vocational Rehabilitation Administration was disestablished on the same date.

- 18196 Exploratory cost-benefit analysis of vocational rehabilitation; [prepared by Lawrence I. Mars]. [Aug. 11, 1967.] cover title, vi+71 p. 4° (Division of Statistics and Studies, Vocational Rehabilitation Administration.) †
L.C. card 67-62937 FS 13.202: C 82

RENEGOTIATION BOARD Washington, DC 20446

- 18197 Renegotiation Board regulations, amdt. 21, [1967.] [38] p. 4° [Erratum, 1 p., issued also. Includes foreword. Issued in looseleaf form.] * Paper, \$6.50 (including basic regulations and supplements or revisions for indefinite period); \$1.75 additional for foreign mailing. ● Item 308
RnB 1.6/2: 964/amdt.21
- 18198 — amdt. 22. [1967.] [107] p. 4° [Includes foreword. Issued in looseleaf form.] * Paper, \$6.50 (including basic regulations and supplements or revisions for indefinite period); \$1.75 additional for foreign mailing.
● Item 308 RnB 1.6/2: 964/amdt.22

RURAL ELECTRIFICATION ADMINISTRATION, Agriculture Dept. Washington, DC 20250

- 18199 1966 annual statistical report, rural electrification borrowers [lending program of Rural Electrification Administration loan, operating and financial statistics of REA electric borrowers, year ending Dec. 31, 1966]. [Aug. 1967.] cover title, 260 p. il. 4° (REA bulletin 1-1.) [Text on p. 2 of cover.] * Paper, \$1.25. ● Item 115 A 68.1/2: 966
- Bulletin.
- 18200 1-1. See above, 1966 annual statistical report, rural electrification borrowers.

SMALL BUSINESS ADMINISTRATION Washington, DC 20416

- 18201 SCORE, Service Corps of Retired Executives. [Aug. 1967.] [4] p. il. 4° ([Office of Public Information; OPI-16.]) † ● Item 901-B
SBA 1.2: Se 6/967-2
- 18202 Small Business Administration publications, free management assistance publications. Oct. 1967. [4] p. 4° (SBA 115A.) † ● Item 901-N
SBA 1.18: 967

SMITHSONIAN INSTITUTION Washington, DC 20560

- 18203 Growth of United States, 1640-1851. [1967.] [6] p. il. 16° † ● Item 910
SI 1.2: Un 3/2
- 18204 Smithsonian contributions to astrophysics. (Astrophysical Laboratory.)
v. 10, no. 1. Analysis of atmospheric trajectories of 413 precisely reduced photographic meteors [with list of references]; by Luigi G. Jacobia, Franco Verniana, and Robert R. Briggs. 1967. iii+139 p. il. 4°
* Paper, \$1.00. ● Item 909-B
L.C. card 67-62966 SI 1.12/2: 10/1

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

SOCIAL AND REHABILITATION SERVICE, Health, Education, and Welfare Dept., Washington, DC 20201

NOTE.—The Social and Rehabilitation Service was established August 15, 1967, in a major realignment of Federal welfare rehabilitation and social service programs by the Secretary of the Department of Health, Education, and Welfare. This new agency will carry out the functions of the Welfare Administration, the Vocational Rehabilitation Administration, the Administration on Aging, and the Mental Retardation Division of the Bureau of Health Services, Public Health Service.

- 18205 State maximums and other methods of limiting money payments to recipients of special types of public assistance, Oct. 1966. Sept. 1967. 4+[4] p. 4° [Issued with perforations.] † FS 17.2: P 96/966

SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20201

Health insurance for the aged HIM (series).

- 18206 11. Home health agency manual, revision, no. 4, Oct. 1967. [50] p. 4° [Issued in looseleaf form.] † ● Item 516-C FS 3.6/4: 11/rev.4
- 18207 Planning for the later years. [1967.] cover title, [2]+51 p. il. 4° (P-3000 (8-67).) * Paper, 35c. ● Item 516 L.C. card HIEW 67-164 FS 3.2: P 69/967

Research and statistics note, 1967 (series). (Office of Research and Statistics.)

- 18208 17. Issuances of social security account numbers, 1966; prepared in Division of Statistics, Oct. 18, 1967. 4+[6] p. il. 4° † FS 3.28/2: 967/17

SSI-(series). † ● Item 523-B FS 3.52: (nos.)

- 18209 14. Your health insurance, facts about medicare, Oct. 1967. 10 p. narrow 8°
- 18210 32. Self-employed farmers are you getting your social security credit? [Dec. 1967.] 8 p. oblong 24°

- 18211 Your duties as representative payee. [1967.] 16 p. il. narrow 12° ([SSA-779(6-67).]) † ● Item 520 FS 3.6: P 29/967-2

SOIL CONSERVATION SERVICE, Agriculture Dept. Washington, DC 20250

- 18212 Soil survey: Adams County, Wash. [with list of literature cited; by Charles D. Lenfesty and others]. Sept. 1967. cover title, ii+110 p. il. 168 p. of pl. and maps, 2 tabs., 4° [Prepared in cooperation with Washington Agricultural Experiment Station. Text on p. 2 of cover.] * Paper, \$7.50. ● Item 102 (Rev. 1967) L.C. card Agr 67-368 A 57.38: Ad 1/2

- 18213 — Bremer County, Iowa [with list of literature cited; by Russell L. Buckner]. Oct. 1967. cover title, ii+118 p. il. 77 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Iowa Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] * Paper, \$4.00. ● Item 102 (Rev. 1957) L.C. card Agr 67-376 A 57.38: B 75

- 18214 — Garfield County, Okla. [with list of literature cited; by Bill Swafford]. [Oct. 1967.] cover title, ii+57 p. il. 95 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Oklahoma Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] * Paper, \$4.50. ● Item 102 (Rev. 1957) L.C. card Agr 67-382 A 57.38: G 18

- 18215 — Randolph County, Ala. [with list of literature cited; by William B. Parker]. Oct. 1967. cover title, ii+69 p. il. 107 p. of pl. and maps, 4° [Prepared in cooperation with Alabama Agricultural Experiment Station and Alabama Department of Agriculture and Industries. Text on p. 2 of cover. One map is colored.] * Paper, \$5.00. ● Item 102 (Rev. 1957) L.C. card Agr 67-369 A 57.38: R 15

‡For Sale by Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Soil survey investigations report.

- 18216 16. Soil laboratory data and descriptions for some soils of Georgia, North Carolina, South Carolina. Sept. 1967. [4] + 164 p. il. 4° [Prepared in cooperation with Georgia, North Carolina, and South Carolina Agricultural Experiment Stations.] † ● Item 121-A A 57.52:16
- 18217 Water supply outlook for Montana and Federal-State-private cooperative snow surveys [snow pillow records, 1967 water year]; prepared by P. E. Farnes. Oct. 1, 1967. [4] p. + 21 leaves, il. 4° [Prepared in cooperation with Montana Agricultural Experiment Station.] † A 57.2: Sn 6/14/967

SPECIAL REPRESENTATIVE FOR TRADE NEGOTIATIONS, OFFICE OF, Executive Office of the President, Washington, DC 20506

- 18218 Future U.S. world trade policy, address by William M. Roth, Special Representative for Trade Negotiations, before World Affairs Committee, Export-Import Committee of Greater Detroit Board of Commerce, Oct. 5, 1967. 1967. 9 p. 4° (Release 97.) † PrEx 9.9: R 74/5
- 18219 Kennedy Round completed, results and future impact upon U.S. businessmen, address by William M. Roth, Special Representative for Trade Negotiations, before World Marketing Conference, University of Cincinnati, Oct. 10, 1967. 1967. 9 p. 4° (Release 93.) † PrEx 9.9: R 74/4
- 18220 Our future trade policy, quotas or competition? address by William M. Roth, Special Representative for Trade Negotiations before 54th National Foreign Trade Convention, New York, Oct. 31, 1967. [1967.] 9 p. 4° (Release 102.) † PrEx 9.9: R 74/6

STATE DEPARTMENT Washington, DC 20520

Background notes. ([Office of Media Services, Bureau of Public Affairs.]) [Issued with perforations.]

- 18221 Denmark [with bibliography]. Sept. 1967. 4 p. il. 4° ([Publication 8298.])
* Paper, 5c. ● Item 862-B S 1.123: D 43
L.C. card 65-60213
- 18222 Italy [with bibliography]. [Revised Aug. 1967.] [1967.] 7 p. il. 4° ([Publication 7861.]) * Paper, 5c. ● Item 862-B S 1.123: It 1/967
L.C. card 66-61561
- 18223 Mozambique [with bibliography]. [Revised Aug. 1967.] [1967.] 4 + [1] p. il. 4° [Publication 7965.] * Paper, 5c. ● Item 862-B S 1.123: M 87/967
L.C. card 66-61561
- 18224 Niger [with bibliography]. [Sept. 1967.] 4 p. il. 4° ([Publication 8293.])
* Paper, 5c. ● Item 862-B S 1.123: N 56
L.C. card 65-60213
- 18225 Syria [with bibliography]. [Revised Sept. 1967.] [1967.] 5 p. il. 4° ([Publication 7761.]) * Paper, 5c. ● Item 862-B S 1.123: Sy 8/967
L.C. card 66-61561

Department and Foreign Service series.

- 18226 127. You and your passport, application requirements, vaccinations, care of your passport, visas, getting along abroad. [Revised edition.] [Aug. 1967.] [12] p. narrow 12° ([Publication 7728]; Passport Office.) * Paper, 10c. ● Item 863 S 1.69: 127/4
L.C. card SD 57-1

Discussion guide, tape-recorded Department of State briefings.

- 18227 Foreign Service, briefing by U. Alexis Johnson, United States Ambassador to Japan, [1967.] 3 p. 4° ([Publication 8303.]) [Includes list of reference material. Issued with perforations.] * Paper, 5c. ● Item 865-C S 1.40/4: F 76

East Asian and Pacific series. ● Item 870 S 1.38: (nos.)

- 18228 167. Answering aggression in Viet-Nam; [by] President Lyndon B. Johnson. [Oct. 1967.] cover title, 12 p. ([Publication 8305; Office of Media Services, Bureau of Public Affairs.]) [Text of remarks to National Legislative Conference at San Antonio, Tex., Sept. 29, 1967. Text on p. 2 of cover.] * Paper, 15c. S 1.38: (nos.)
- 18229 168. Central issue in Viet-Nam, Secretary Rusk discusses U.S. national interests in Asia. [Oct. 1967.] cover title, [2] + 10 p. 4° ([Publication 8313, Office of Media Services, Bureau of Public Affairs.]) [Transcript of portions of news conference, Oct. 12, 1967. Entire text will appear in Department of State bulletin, Oct. 30, 1967.] * Paper, 15c.

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

DECEMBER 1967

- 18230 Foreign relations of United States, diplomatic papers 1945; v. 1, General, United Nations. 1967. lviii+1611 p. ([Publication 8294; Historical Office, Bureau of Public Affairs.]) [Also issued as H. doc. 779, pt. 1, 79th Cong., 2d sess.] * Cloth, \$5.25. ● Item 872
L.C. card 10-3793 S 1.1: 945/v.1

General foreign policy series.

- 18231 221. Foreign aid, essential element of United States foreign policy, address by Under Secretary of State Nicholas deB. Katzenbach [before New England Jaycee Convention at Hyannis, Mass., Sept. 30, 1967]. [1967.] cover title. 12 p. 12° ([Publication 8309; Office of Media Services, Bureau of Public Affairs.]) [Text on p. 2 and 3 of cover.] * Paper, 15c. ● Item 875
L.C. card SD 67-12 S 1.71: 221

International organization and conference series.

- 18232 79. Concert and conciliation, next stage of Atlantic alliance [address by Eugene V. Rostow, Under Secretary for Political Affairs, before Atlantic Treaty Association at Luxembourg, Sept. 11, 1967]. [Oct. 1967.] [2]+8+[1] p. 4° ([Publication 8315; Office of Media Services, Bureau of Public Affairs.]) [Reprinted from Department of State bulletin, Oct. 2, 1967.] * Paper, 15c. Item 882-B
L.C. card 67-62922 S 1.70: 79

Treaties and other international acts series. * Paper, \$10.00 a yr. (approximately 150 issues), \$6.00 additional for foreign mailing; single copies vary in price.

- 18233 6328. Treaties, continued application to Malawi of certain treaties concluded between United States and United Kingdom, agreement between United States and Malawi, effected by exchange of notes dated Zomba and Blantyre Dec. 17, 1966, and Jan. 6 and Apr. 4, 1967: [entered into force Apr. 4, 1967]. [1967.] [2]+4 p. * Paper, 5c. ● Item 899
L.C. card 67-62633 S 9.10: 6328

STATISTICAL REPORTING SERVICE, Agriculture Dept. Washington, DC 20250

- 18234 Meat animals, farm production, disposition, and income, by States, 1965-66. Apr. 1967. 15 p. 4° (MtAn 1-1(67); Crop Reporting Board.) †
A 92.17: 965-66
- 18235 Peanut stocks and processing, seasonal report, Aug. 1966-July 1967, revised. Oct. 1967. 7 p. 4° (GrLg 11-2-1(67); Crop Reporting Board.) †
A 92.14/2: 966-67

TARIFF COMMISSION Washington, DC 20436

- 18236 Eyeglass frames, report to the President on investigation no. TEA-1-10 under sec. 301(b) of Trade expansion act of 1962. Oct. 1967. cover title, [1]+31 leaves, 4° (Publication 219.) †
L.C. card 67-62931 TC 1.2: Ey 3
- 18237 Summaries of trade and tariff information, prepared in terms of Tariff schedules of United States (TSUS): Schedule 6, Metals and metal products, v. 4, Iron and steel. 1967. vii+294 p. il. 4° (TC publication 221.) †
L.C. card 67-62918 TC 1.26/2: 6/4
- 18238 Synthetic organic chemicals, United States production and sales of medicinal chemicals, 1966, preliminary. Oct. 1967. cover title, [1]+26 p. 4° †
TC 1.53/2: M 46

TENNESSEE VALLEY AUTHORITY Washington, DC 20444

Forestry bulletin. (Division of Forestry Development, Morris, Tenn.)

- 18239 133. Forest inventory statistics, Campbell County unit, east Tennessee. [Sept. 1967.] cover title, [2]+2-18 p. il. map. 4° [Another map on p. 3 of cover.] †
Y 3.T 25: 18/133

4For Sale by Clearinghouse, U.S. Department of
Commerce, Springfield, Va. 22151
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

TERRITORIES OFFICE, Interior Dept. Washington, DC 20240

- 18240 Our Caribbean gems, U.S. Virgin Islands. [1967.] 30+ [2] p. il. [Illustrations are colored.] * Paper, 35c. ● Item 672
L.C. card 67-62910 I 35.13/2 : C 19

TREASURY DEPARTMENT Washington, DC 20220

- 18241 Financial frontiers, remarks of Frederick L. Deming, Under Secretary of Treasury for Monetary Affairs at Mid-Continent east regional meeting of American Association of Collegiate Schools of Business in Minneapolis, Minn., Oct. 19, 1967. 1967. 14 p. 4° (F-1057.) † T 1.31 : D 39/16
- 18242 Importance of savings bonds in current economic picture, remarks of Joseph W. Barr, Under Secretary of Treasury before National Association of Theater Owners, Bal Harbour, Fla., Oct. 20, 1967. [1967.] 11 p. 4° (F-1058.) † T 1.31 : B 27/33
- 18243 Remarks by Henry H. Fowler, Secretary of Treasury, at Honors Convocation of Roanoke College, Salem, Va., Oct. 28, 1967. [1967.] 17 p. 4° (F-1066.) † T 1.31 : F 82/87
- 18244 Tax surcharge and national economy, address of Robert A. Wallace, Assistant Secretary of Treasury before 24th annual convention of National League of Insured Savings Associations, San Francisco, Calif., Oct. 24, 1967. 1967. 8 p. 4° (F-1062.) † T 1.31 : W 15/2
- 18245 What kind of a people are we? statement of Joseph W. Barr, Under Secretary of Treasury, at press conference held in Miami Beach, Fla., at convention of National Association of Theater Owners, Oct. 19, 1967. [1967.] 7 p. 4° (F-1059.) † T 1.31 : B 27/32

VETERANS ADMINISTRATION Washington, DC 20420

- 18246 Bulletin of prosthetic research, BPR 10-7, spring 1967 [with lists of references; editor, William M. Bernstock]. [1967.] iv+285 p. il. 4° (Prosthetic and Sensory Aids Service, Department of Medicine and Surgery.) * Paper, \$1.00. ● Item 983-B
L.C. card 66-60273 VA 1.23/3 : 10-7
- VA monograph (series).
- 18247 10-2. Medical ethics and research [symposium sponsored by Research and Education Service of Veterans Administration Department of Medicine and Surgery at 17th annual medical research conference, Cincinnati, Ohio, Nov. 29-Dec. 1, 1966; A. A. Rasch, editor]. [1967.] cover title, [47] p. 4° † ● Item 989-F
L.C. card 67-62917 VA 1.48 : 10-2
- VA pamphlets. † VA 1.19 : (nos.)
- 18248 10-61. Librarians in Veterans Administration hospitals, nationwide. Revised Aug. 1967. [1967.] [4] p. il. 4° ([Department of Medicine and Surgery.]) ● Item 988
- 18249 10-65. Building management officers in Veterans Administration hospitals, nationwide. [Revised Aug. 1967.] [1967.] [8] p. il. 4° ([Department of Medicine and Surgery.]) ● Item 988
- 18250 20-67-2. For you, from a grateful nation. [1967.] cover title, [20] p. il. 12°

VOCATIONAL REHABILITATION ADMINISTRATION, Health, Education, and Welfare Dept.

NOTE.—The Vocational Rehabilitation Administration was disestablished and its functions transferred to Rehabilitation Services Administration effective August 15, 1967.

*For Sale by Superintendent of Documents
†Distribution Made by Issuing Office
‡Official Use. Not Available

WAGE AND HOUR AND PUBLIC CONTRACT DIVISIONS,
Labor Dept., Washington, DC 20210

- 18251 Regulations, title 29 of Code of Federal regulations.
pt. 519. Employment of full-time students at special minimum wages [1967.]
[4] p. 4° (WHPC publication 1223.) [Reprint from Federal register
of July 29, 1967.] † ● Item 780 L 22.9: 519/4
- 18252 Sheltered workshop report of Secretary of Labor, together with technical
report on wage payments to handicapped clients in sheltered workshops,
submitted to Congress Sept. 1967. [1967.] cover title, vii+[1]+95
+A-252 p. 4° * Paper, \$1.75. ● Item 777
L.C. card 67-62831 L 22.2: Sh 4

WEATHER BUREAU, Commerce Dept.
Washington, DC 20235

- 18253 Manual for radiosonde code (WBAN), standards and procedures for coding
radiosonde reports, effective Jan. 1, 1968. 3d edition. 1967. viii+67 p.+[5]
leaves, map, 4° [Issued in looseleaf form. Prepared in cooperation with
Air Weather Service, Air Force Department and Naval Weather Service,
Navy Department.] * Paper, \$1.00. ● Item 275-E
L.C. card 67-62885 C 30.6/2: R 11/968
- 18254 Manual for upper wind code (WBAN) (standards and procedures for cod-
ing of upper wind reports); effective Jan. 1, 1968. 3d edition. 1967.
viii+52 p.+[6] leaves, il. 4° [Issued with perforations. Prepared in
cooperation with Air Weather Service, Air Force Department, and Naval
Weather Service, Navy Dept.] * Paper, 75c. ● Item 275-E
L.C. card 67-62884 C 30.6/2: W 72/967

WOMEN'S BUREAU, Labor Dept.
Washington, DC 20210

- 18255 Utilization of women workers. [1967.] cover title, [1]+133-139 p. il. 4°
[Reprint from 1967 Manpower report.] † L 1.42/2a: W 842



Index

MONTHLY CATALOG, JANUARY-DECEMBER 1967

NOTE.—*Entries appear in this Index under subjects or titles. Bulletins, circulars, etc., having no specific subjects are entered under the issuing office only. Index citations are to entry numbers in the catalog.*

A

A.E.C., *see* Atomic Energy Commission.
A.F.O.S.R., *see* Air Force Office of Scientific Research.
A.I.D., *see* International Development Agency.
A.M.C., *see* Army Materiel Command.
A.P.R.O., *see* Army Personnel Research Office.
A.R.S. series, 2-9, 1672-74, 4083-86, 5615-16, 7241-52, 8803-8, 10147-156, 11915-922, 13196-203, 14733, 15824-827, 17299-300
A.S.C.S., *see* Agricultural Stabilization and Conservation Service.
Aamot, Haldor W. C., heat transfer and performance analysis of thermal probe for glaciers, 17377
Aase, James H., mineral industry of Iowa, 2554
AASHO, *see* American Association of State Highway Officials.
AAXICO Airlines, Inc., aircraft accident, 7516
Abadi, Victor, relief, 9219
Abbot, C. G.:
 precipitation in 5 continents, 11790
 supplement to long-range forecast of United States precipitation, 11791
Abbott, E. A., some turbidimetric observations in East Siberian Sea, 9988
Abbott, Elaine R., basic data on economy of Republic of Ivory Coast, 13466
Abbott, Geraldine W., agriculture in Indonesia, 9393
Abbreviations:
 contractions used by FAA, air traffic control, etc., handbook, changes, 5716, 13273
 Federal aviation regulations, 1038, 9441, 12488, 14000
 Latin American press, glossary, 12721
 State and long postal unit names for use with ZIP codes, 7043
Abel, John E., maximum utilization of FM subcarrier bandwidth, 9992
Abel, Martin E., world food situation, prospects for world grain production, consumption, and trade, 15209
Abel, Robert B., inner space, sea of opportunity, 6186
Ables, *see* Fir.
Ability:
 Federal-State programs for developing human resources, 6248
 human resources development programs of Federal Government—
 questions and outline for economic analysis, papers, 12189
 remarks, 12474
 replies from Government departments and agencies to questionnaire, compilation, 7590
 print additional copies, report, 12240
 1968 national ability counts contest for 11th and 12th grade students, announcement, 15667

Ability—Continued

 perspectives on natural resources and human resources, seminar, 6597
Ability grouping in education, grouping related to pupil learning, survey of research, 4721
Abington, Pa., township, population, special census, 8951
Ablating materials:
 ablative-material thrust chambers as components of storable-propellant rocket engines, evaluation, 15555
 char-forming phenolic polymer used for ablative composites, decomposition characteristics, 6862
 heat shield for X-15-2, arc-tunnel evaluation, 5238
 obtaining surface temperatures of materials in presence of extraneous radiation, 16975
 phenolic nylon—
 effect of composition, density, etc., on ablative performance, 9889
 low-density, thermophysical properties, 14377
 reentry signal loss attributable to ablation impurities, 14494
Ablation:
 conical teflon models, static aerodynamic characteristics, measured and computed, 11555
 effect on boundary layer separation, 12954
 polymers, determination of kinetic parameters, by thermogravimetric analysis, 9896
 reentry vehicle heat shield, sensors measure, 6758
 sensors to obtain in-flight ablation measurements of thermal-protection materials, 1494
 surface, of noncharring materials, 2724
 thermal radiation studies of ablating bodies in ballistic range, survey, 5234
Ablators:
 artificial meteors, study as ablaters, 8480
 charring—
 internal temperature measurements, effect of thermocouple wire and configuration, 6864
 low density, parametric study, 2713
 Ables, Jackson H., jr., filling and emptying systems, low-lift locks, Arkansas River project, hydraulic model investigation, 4743
ABM, *see* Missiles.
Abort, lunar mission, manual guidance technique with concentric-flight plan rendezvous, 14481
Abortion, artificial, mechanism by use of ascorbic acid, USSR study, 1276
Abraded cadmium-plated cable connectors repaired by conversion coating, 6746
Abrahams, John H., jr., summaries of research and training grants in solid waste disposal, 10063
Abrahamsen, Martin A., cooperatives today and tomorrow, 2232

- Abramson, H. Norman, dynamic behavior of liquids in moving containers, with applications to space vehicle technology, 5189
- Abrasives:**
 cracks in glass electrical connector headers removed by dry blasting with fine abrasive, 12886
 Federal item identification guides for supply cataloging, supplements, 3291
 grading of abrasive grain on coated abrasive products, standard of trade, 12988
 grading of grain for grinding wheels, standard of trade, 11581
 grinding wheels, safe practices, 9723
 materials, minerals yearbook chapter, 5097
- Abscissas and weights for Gaussian quadrature, 5284
- Absenteeism, Army personnel, AWOL and consequences, 5736
- Absorptiometry with beta excited X-ray sources, interim report, 5770
- Absorption:**
 absorptive properties of small particles and heavy-atom gases, 5182
 1,4 cyclohexanediol (methylamine), regenerative carbon dioxide absorbent, 8589
 Infrared spectroscopy, use for representation of lipids of skin surface, Yugoslavian study, 12667
 neutron resonance, calculation in 2-region problems, GAROL code, 15486
see also Atomic absorption.
- Absorption coefficients:**
 determining scattering and absorption coefficients of paper by diffuse illumination, 11114
 O₂ at oxygen windows, 18050
- Absorption spectra, *see* Spectra.
- Absorption spectrometry, *see* Spectrometry.
- Abstracts, *see* names of departments, bureaus, etc., issuing abstracts—*also* subjects.
- Academic degrees, *see* Degrees (colleges, universities, etc.).
- Academy of Agricultural Sciences, Bulgaria, new members and corresponding members, 1205
- Academy of Medical Sciences, USSR:
 nominations, 5022
 pediatrics session, report, 2461
 vestnik (periodical), 4036
- Academy of Sciences, Armenian SSR, annual meeting, evaluates recent work, 9636
- Academy of Sciences, Azerbaijan SSR, annual meeting, 1966 activities discussed, 9668
- Academy of Sciences, Bulgaria:
 history and achievements, 6557
 Vice President Vladimir Georgiyev interviewed, 4991, 6480
- Academy of Sciences, Hungary, secretarial report of Department of Biological Sciences, 1269
- Academy of Sciences, Kazakh SSR:
 activities, 8250, 12677
 dissertations defended by scientific co-workers, list, 11246
 projects planned, 12753
 scientific research, resolution, 4965
- Academy of Sciences, Latvia:
 activities reviewed, 8250
 biographies of members, 1163
- Academy of Sciences, Moldavian SSR, work reviewed, 8272
- Academy of Sciences, Rumania, astronomical observatories, activities, 1290
- Academy of Sciences, Tadzhik SSR:
 conference of young scientists, 14254
 Department of Biological Sciences, newly elected members, 16785
- Academy of Sciences, Ukrainian SSR:
 news, 9638
 organization of comprehensive research, 15399
 presidium, recent activities, reports, 11275
- Academy of Sciences, USSR:
 All-Union Entomological Society, activities report, 2471
 Departments of Biochemistry, Biophysics, and Chemistry of Physiologically Active Compounds, annual convention, 12745
 elections of biomedical scientists, 1331
 new members, 2440
 organic and physical chemistry reports, 6579
 seminars discuss latest concepts in philosophy and science, 1291
 vestnik (periodical), 4037
- Academy of Sciences, Uzbek SSR, work reviewed, 8272
- Acariacides, candidate materials evaluated, Brownsville, Tex., 13196
- Acceleration:**
 angular—
 eye-movements and subjective turning responses to 2 durations, 15980
 responses to, following unilateral caloric habitation, 10322
 visual fixation effects of brief periods on nystagmus and sensations of turning, 15981
 density, calculation in computer program, 11481
 impulse, nitrogen metabolism in brain of rats, USSR study, 1167
 lateral, effect on liquid surface motion during weightlessness, 12966
 linear, effect on vestibular organs in role of exploration of space, 5191
 load factor, information on rectilinear display in spacecraft entry monitoring system, 14439
 loads, cushioned by friction brake, 6771
 measurements on board entry vehicle, use in determining structure of atmosphere, 9904
 7 G levels, effect on renal excretion of solutes in rabbits, 14776
 three-dimensional plasma, through magnetic fields, etc., 5256
 water landings of Apollo spacecraft, dynamic model investigations, 16970
- Accelerator reactors, *see* Reactors (atomic).
- Accelerators:**
 accelerator-produced radiation, biological interpretation of dose, symposium proceedings, 15960
 grid durability tests of mercury electron-bombardment ion thrusters, 14462
 linear Hall current, instabilities, 5175
 plasma accelerators, movable rf probe eliminates need for calibration, 17973
 plasma gun, fast-acting calorimeter measures heat output, 12911
 Reusseler linear, use of plasma oscillations experiment, 12870
 Soviet plans, 1342
 Stanford Linear Accelerator Center dedication (remarks), 15975
 traveling magnetic wave plasma, variable-length constant-velocity, experimental investigation, 18034
 200-Bev, research program, AEC authorization legislation, hearings, 10491
- Accelerometers:**
 dynamic response to impact loadings of acceleration sensors having various mounting characteristics, 11521
 instrument automatically selects peak acceleration signal from several accelerometers, 1459
 instrument sequentially samples ac signals from several accelerometers, 8461
 low level test methods investigated, 2642
 miniature capacitive, especially applicable to telemetry, 1470
 miniature piezoelectric triaxial, measures cranial accelerations, 2659
 rectilinear, possesses self-calibration feature, 1453

Accession notice, industry profiles, 11229
 Accident insurance, credit, for student loans, increase maximum amount allowable in D.C., report, 882
 Accidents:
 boating—
 rules and regulations for reporting, 9007
 statistics, 9000
 causes—
 concrete brick and block industry, 16813
 hazardous trees on California forest recreation sites, 11125
 in school lunchrooms, 14282
 occupational safety aids, 9710, 16798
 families on guard against, 18163
 Federal employees, on-the-job injuries, financial protection, 1925
 how to investigate accidents, 9712, 16802
 industrial accidents in USAEC facilities, 1956, revised summary, 15967
 industrial hazards, publications, price list, 17135
 investigations and records in industry, instructor outline, 8291
 motorcycles—
 fun and personal protection from accidents, 17174
 United States, causes, control, etc., 5448
 preventing office accidents, occupational safety aid, 9713
 prevention, Public Health Service research grant projects, references to publications, 8645
 work accident costs, 9718
 work injuries, facts and figures, 1070
 see also Aircraft accidents—Mine accidents—Motor vehicle accidents—Railroad accidents—Safety of life—Spacecraft accidents.
 Acclimatization:
 acclimatization versus tolerance to stress, annotated bibliography, 17363
 high altitude, cardiopulmonary responses of resting man during early exposure, 7413
 Accountants:
 career opportunities with Civil Aeronautics Board, 17448
 examination announcements, 199, 201, 4390, 4393, 16067, 16069, 16074
 discontinuance notice, 7535
 Federal Credit Unions Bureau, opportunities, 6246
 machine 3 & 2, Navy training course, 7018
 pay, national survey, 2507
 Accounting, see Accounts and accounting.
 Accounting machines, current industrial reports, 8942, 10356, 16000
 Accounts and accounting:
 accounting and finance manual, DSA, 979, 13913-914, 17693
 accounting series releases, SEC, 2983
 air carriers, certificated, uniform system, 3993
 automatic accounting in USSR computer centers, 1340
 Bulgarian scientific organizations, operating under their own systems, decrees, 5030, 6586
 certificated route air carriers, uniform system, 8972, 13419
 code of Federal regulations, 6266
 commercial banks, accounts and deposits, June 30, 1966, national summary, 6247
 Communicable Disease Center, Bureau of State Services, accounting system review, GAO report, 1101
 cost accounting—
 scientific research institute, USSR, 16786
 scientific research organizations, USSR, 1343
 Federal agencies—
 accounting forms, GAO guidance manual, 11143

Accounts and accounting—Continued
 Federal agencies—Continued
 policies and procedures, GAO guidance manual, 11142
 principles and standards, 12585
 submission of systems for GAO approval, hearing, 737
 transportation, GAO guidance manual, 3370
 GAO review (periodical), 3371
 intercoastal shipping, accounting at expiration of rate suspension, hearings, 16337
 joint financial management improvement program, annual report, 11144
 NASA guidelines for evaluation of contractor accounting systems, 6705
 national income and product accounts of United States, 1929-65, statistical tables, 1829
 public school accounting principles, 16509
 telephone companies, uniform system of accounts, FCC rules and regulations, 3278
 your career in Bureau of Accounts, Treasury Department, 5576
 Accounts Bureau, your career in Bureau of Accounts, Treasury Department, 5576
 Acetazolamide, low doses to aid accommodation of men to altitude, 1736
 Acetic acid:
 description, etc., technical reference, 9738
 electron optical survey of iron oxide films produced in H₂O, LiOH, and LiOH/EDTA solutions, 8594
 Acetic anhydride, description, etc., technical reference, 9739
 Acetylene black in hydrazine, study of thixotropic suspensions, 11679
 Achievement, superior academic standard, in certain civil service examinations, amdt., 7531
 Achievement tests:
 constructing and using, guide for Navy instructors, 1544
 used in health examination surveys of persons aged 6-17 years, study, 13098
 Acid mine drainage, see Mine drainage.
 Acids:
 acid-base balance in anesthetized dog, hydrazine effect, 7359
 Swiss research, 12733
 see also names of acids.
 Ackerman, Maryu J., mineral industry of West Virginia, 6670
 Ackerman, Miss.:
 District Court, eastern division of northern district, terms to be held—
 law, 16138
 report, 12379
 Acoustic velocity meter, report on system development and testing, 14167
 Acoustics, see Noise—Noise suppressors—Sound.
 ACP, see Agricultural conservation program.
 ACR series, 11669, 13030
 Acreage allotments, see Agricultural products—also names of products.
 Acreage marketing guides, 962, 2134, 4661, 6127, 7828, 10872, 16441
 Acrylic plastics, see Plastics.
 Acta geographica Sinica (Chinese periodical):
 translations, 4943
 Actin, polymer differing from F-form, USSR discovery, 12713
 Actinomycin, effect of actinomycin 2703 on stabilization of conditioned reflexes and transition from short-term to long-term memory, USSR study, 1338
 Action, program guide 1967-68, 17121
 Actions at law:
 judgments, Justice Dept. policies and procedures, GAO review, 11154
 litigation releases, Securities and Exchange Commission, 3516

Actions at law—Continued
multidistrict litigation, provide pretrial consolidation—
hearings, 6119, 7821
report, 13833
see also Appeals—Civil procedure—Habeas corpus.

Activation, *see* Heat of activation.

Activation analysis, *see* Radioactivation analysis.

Activity patterns of campers, 8071

Acts of Congress, *see* Law.

Actuarial notes, 1603, 5501, 7115-17, 11792, 14644, 15736

Actuarial services for dental service corporation, 11714

Actuarial study series, 7118, 8686, 10082

Actuaries Board, retirement and disability fund, 1965, report, 4489

Actuators:
device schedules rate of valve closure, 6840
single solenoid, fuel and oxidizer valve assembly employs, 9825B

Acuity:
and phoria among submariners, longitudinal study, 12791
visual, binocular, of adults, by region and selected demographic characteristics, United States, 13099

Acute conditions, incidence and associated disability, United States, July 1965-June 1966, 14637

Ad Hoc Panel on Seyllac, report, 13347

Adam Weisa Peak quadrangle, Wyo., geology, 2360

Adams, Bert K., principles of public school accounting, 16509

Adams, Ernst W., theoretical solution of nonlinear problem of transient cooling of opaque sphere in space, 14458

Adams, Herman, relief, 330

Adams, James W., and others, relief, 600, 13777

Adams, Jimmie D., study of man in oxygen-helium atmosphere, major and minor atmospheric components, 89

Adams, John G.:
addresses, etc.—
Feb. 28, 1967, 7519
Apr. 24, 1967, 8975
Apr. 28, 1967, 8374
July 5, 1967, 12097

Adams, Walter:
government, universities, and international affairs, crisis in identity, 10516
strategic importance of Western Europe, 5614

Adams County, Pa., soil survey report, 13123

Adams County, Wash., soil survey report, 18212

Adams Manufacturing Co., relief, 330

Adaptation, *see* Dark adaptation.

Adaptation to visual and nonvisual rearrangement, 5167

Adapters, line adapter provides quick disconnect under moderate side loading, 15535

Addicott, W. O., zoogeographic evidence for late Tertiary lateral slip on San Andreas fault, Calif., 17827

Addicts, *see* Narcotic addicts.

Additives, jet fuel anti-icing, effects on fuel tank linings, final report, 9991
see also Food additives.

Addor, Eugene E., environmental characteristics of tunnels in South Vietnam, 15229

Addresses (mail matter), *see* Mail matter.

Addresses, lectures, etc.:
AEC Speakers Bureau for Washington Metropolitan area, availability of speakers, 5798
by—
Adams, John G., 7519, 8974-75, 12097
Allen, David B., 13047
Andrews, A. M., 7522
Andrews, Archie M., 6465, 11228

Addressee, lectures, etc.—Continued
by—continued

Baker, John A., 4095, 4109, 13208, 13238-239, 13246, 15875

Barr, Joseph W., 1656, 2949, 2955, 5571, 10122, 11884, 17265, 17269, 18242, 18245

Barrett, Ashton C., 7968-69

Battle, Mark, 2484, 17298

Beckman, Norman, 16707

Bekkedahl, Norman, 9935

Bennett, Robert L., 15322

Berkner, Lloyd V., 5281

Bird, Kermit, 12458

Blaplinghoff, Raymond L., 5280

Boehm, Charles F., 10455-456, 16098

Borum, Rodney L., 10327, 10333-334

Boyd, Alan S., 1950

Brenner, Edward J., 2789, 5372, 10020, 11683, 11689, 14601

Brenner, F. Cecil, 9946

Brezhnev, Leonid I., 9317

Bridwell, Lowell K., 238, 1952-53

Brimmer, Andrew F., 1065, 2265, 6300, 7999-8000, 9493, 11050, 11053, 11056, 14037, 15249, 16590

Brzezinski, Zbigniew, 14676

Bundy, William P., 17220

Cass, Millard, 5039, 11295

Cassell, Frank H., 10945, 12473

Conklin, Maxwell R., 181

CConnell, Michael L., 10049

Connor, John T., 223, 239-242, 1937, 1954-60, 4449-50, 9010

Cortright, Edgar M., 8514

Crafts, Edward C., 4914

Cushman, Bernard, 18088

Cusick, Leo J., 9583

Cusimano, John P., 17392

Daane, J. Dewey, 1067, 4784, 16598

Davis, Ross D., 6158, 10904, 13934

Davis, True, 1654, 5574, 7210-11, 7214, 11886, 15810

Day, James V., 6259, 16579

Deming, Frederick L., 2946, 2953, 17270, 18241

DiLuzio, Frank C., 16719

Eberhard, John P., 2735

Eckler, A. Ross, 1889, 10383

Fanning, John H., 9949, 15596

Faulkner, Ralford L., 10316

Fay, Joseph L., 15737

Fay, William T., 4304

Peer, Mark C., 1936

Flood, Daniel J., 520

Fogel, Sander H., 8045

Fowler, Henry H., 1653, 1655, 1657, 2950, 2952, 2954, 2956-57, 5573, 7212-13, 8775-77, 10120-121, 10124, 11883, 14709, 17271-272, 18243

Fox, Lawrence A., 2418, 17854

Freeman, Orville L., 22-26, 51-52, 1676-77, 1694, 1696, 1719, 4091-94, 4108, 4119, 4142, 7257-58, 7268, 7280, 7295-96, 8821-24, 10158-160, 10163, 10196-198, 13209, 13218-220, 13240-243, 15834-835, 15846, 15876-877

Fumich, George, jr., 8997

Furness, Betty, 11701

Gardner, John W., 2377

George, J. Mishell, 2416

Giles, Robert E., 4426, 5958

Gillies, Roderick M., 4447-48

Gilliland, Whitney, 1898, 8971, 17447, 17449

Goddard, James E., 13162

Goddard, James L., 14075

Goodwin, Robert C., 6204, 12474, 16515

Goodyear, Hugo V., 5593

Gulbert, Edward A., 236, 1951

Gulick, J. W., 6626-27, 9751, 12787, 17907-908

Gullander, W. P., 8616A

Haar, Charles M., 16714

Addresses, lectures, etc.—Continued
by—continued

Haddon, William, jr., 1940, 1963-64, 4423, 5959
Hagan, Robert L., 4304
Hamburger, Richard, 1819
Harlee, John, 2246, 7971-72, 9456, 16577-578
Harvey, Thomas W., 10905, 16477, 16479
Hearn, George H., 6258, 6260, 7970, 11016
Hedges, Janice N., 8796
Hollomon, J. Herbert, 243-244, 4429, 4452, 7568, 7583-84, 12128-130
Horne, John E., 7960, 9452, 17756
Howe, Harold, II, 996, 998, 1004, 1006, 1015, 2179, 2188, 2192, 6177, 6179-80, 9403-4, 9407-8, 9412, 10935, 12462, 464, 13957, 13965, 15210, 15214, 16505, 16512, 17716
Hummel, Don, 6436, 16715
Humphrey, Hubert, 1961, 4455, 5446, 9580, 14209, 15317, 17839
Humphrey, Thomas F., 5478
Ink, Dwight, 17842
Ioanes, Raymond A., 4818
Jenkins, Howard, jr., 14525, 15593
Johnson, Hugh A., 12461
Johnson, Nicholas, 16564
Johnson, Wilfrid E., 131, 1817, 7441, 8914, 17407
Katz, Jacob E., 144, 8924, 10329, 15985
Katzenbach, Nicholas deB., 10099, 18231
Kaye, William G., 1825
Ketchum, Harry W., 5807
Keyserling, Mary D., 1668, 8798, 10142, 11908, 17296
Kiernan, Owen B., 14853
Kincaid, John F., 16091, 17472
Kohler, Foy D., 10099
Kromer, George W., 4704-5
Knrylo, Walter, 1962
Lang, A. Scheffer, 4451
Lattu, Onnie P., 5366, 17101
Lauriat, Patience, 1880
Lindley, Jonathan, 13929
Low, George M., 5498
Luce, Charles E., 8208, 8210
Ludwig, John H., 2836
McCahill, William P., 11702, 13068, 18140, 18142-143
McGuire, Marie C., 17843
Mackenzie, Vernon G., 8636
McNamara, Robert S., 4527
McNeill, Robert L., 226
McQuade, Lawrence C., 224, 228, 237, 1965, 4425, 4427, 7571, 9012, 9025, 10452, 12127, 13468, 17473, 17483
Macy, John W., jr., 1932
Maise, Sherman J., 1060, 1064, 4781, 7996, 9496
Martin, Wm. McC., jr., 4787, 11058, 12536
Mcgonnell, William H., 1580
Mehren, George L., 30, 13210, 15844
Middleton, John T., 8640, 13072
Mitchell, George W., 1068, 2261, 4786, 6297, 9494, 11052, 15248, 16593
Moffett, Roy R., 12785
Moore, J. Cordell, 17847
Morgan, Roy L., 1949
Morton, James G., 4424, 4428, 7561, 7582, 9009, 9011
Mossinghoff, Gerald J., 13048
Murphy, Charles S., 1900, 8968, 8973, 12096, 16049
Murphy, Richard J., 13057, 14611
Murphy, Robert T., 186, 189, 1899, 4368, 5911, 7523, 13420, 17445-446
Nabrit, Samuel M., 4242, 7435, 8917, 12020, 12025
Nehmer, Stanley, 10470, 16111
Nesbitt, John A., 11705

Addresses, lectures, etc.—Continued
by—continued

Newell, Homer E., 6913
O'Brien, Gerald D., 5370, 7031, 14603-605
O'Brien, Lawrence F., 1555-56, 7038, 7106, 8675, 11697, 11690-691, 13049, 14610, 15643, 17109-110, 18135
O'Connell, Joseph J., jr., 13015, 18092-93
Oettinger, Katherine B., 1893
O'Malley, Lambert S., 17708
Ordman, Arnold, 6937
Owens, James M., 142, 5806
Pearl, Robert B., 5885
Peterson, Esther, 6588, 16796
Pollack, Gerald A., 5964, 7583
Pollack, Herman, 14671
President Johnson, 1626, 2256, 2734, 2880, 4780, 12195, 18228
Prisk, Charles W., 5475
Ramey, James T., 8919, 10313
Rand, Robert L., 7961, 17755
Rauner, R. M., 7870
Rettie, Dwight F., 16713
Robertson, J. L., 2263, 12531
Rostow, Eugene V., 18232
Roth, William M., 14663, 18218-220
Rusk, Dean, 1628-29, 2882, 18229
Russell, Harold, 17125
Schmidt, Wyman C., 4829
Schnellbacher, E. E., 4920, 8224
Schnittker, John A., 27, 1695, 4090, 4101, 4141, 7259, 7269, 13244, 13253
Schoppert, David W., 4453
Seaborg, Glean T., 130, 132-135, 1815, 1818, 4240, 4243-44, 4246-47, 5799, 7438-39, 8915, 8918, 10305-307, 10310, 10315, 10318-319, 12021-23, 15970, 15972, 15974-976, 17401-402, 17404
Seamans, Robert C., jr., 2733
Seeley, David S., 4718
Shapiro, Karl, 12780
Shaw, William H., 235, 1966, 5949-50, 7565, 7570, 10453, 13453, 17471
Shepardson, Charles N., 1061, 1069, 6298
Sherwin, Chalmers W., 10457
Sielski, Matthew C., 7567
Sierra, Teresa, 11700
Sisco, Joseph J., 5530
Solomon, Anthony M., 2936
Sternlight, Peter D., 2951
Stewart, William H., 7080, 10045
Surrey, Stanley S., 7215, 8769, 10117, 10123, 10125, 13165
Taeuber, Conrad, 4357
Tape, Gerald F., 1813, 8916
Tarjan, George, 7048
Taylor, H. Ralph, 2379, 2386, 11198, 17841
Thayer, Louis M., 18094
Thompson, John W., 4703, 12459
Tison, James C., jr., 12116
Trowbridge, Alexander B., 227, 234, 245, 5948, 5957, 5960, 7569, 7581, 9022-23, 10449-451, 10454, 10464, 10466-468, 10471, 12126, 16092-96, 16109, 17469
Truman, Harry S., 1059
Turner, Francis C., 8663
Tuten, J. Russell, 16090
Udall, Stewart L., 6439, 15324
Wallace, Robert A., 18244
Walsh, Don, 1602
Walsh, Robert M., 12460
Washington, George, 5976
print additional copies, report, 2018
Weaver, George L-P, 8283
Weaver, Robert C., 9581, 11196-197
Webb, James E., 17022, 18059
Welsh, Edward C., 1516
West, Quentin M., 16496
White, Robert M., 7937
Whitton, Rex M., 2844

INDEX 1967

Addresses, lectures, etc.—Continued

by—continued
 Williams, James D., 11716
 Wirtz, W. Willard, 1349, 1353-54, 5033, 5037-38, 6589
 Wood, Robert C., 11209, 16716
 Yolles, Stanley F., 8655
 Zagoria, Sam, 2750, 6939, 8532, 12993, 17043-44
 FMC SP series, 2246-47, 6258-60, 7968-73, 9456, 11016, 16577-579
 MA SP series, 6626-27, 9751, 12787-794, 17907-908
 National Conference on State Technical services, 12131
 plastics in Government, 4 conference papers, Society of Plastics Industry, 2155
 public papers of Presidents of United States, announcement and order form, 8622
 Addressing machines, digital control computers for automatic addressing of goods, USSR book excerpts, 15383
 Adelberger, Howard H., and wife, relief, 7618
 Aden, geology, 8173
 Aden, Gulf of, sailing directions, 9971
 Adenoviruses, human, tumorigenic action, USSR study, 6560
 Aedeobidae, *see* Gastropods.
 Adhesive tape, pressure-sensitive and gummed, inspection, sampling, and testing methods, Federal standard, 9499
 Adhesives:
 Federal item identification guides for supply cataloging, supplements, 3290
 for polyester films cures at room temperature, has high initial tack, 2631
 polyurethane, use of nonwoven glass fiber mat to reinforce, 11450
 resistance heating releases structural adhesive, 8469A
 resorcinol-resin, gluing ammonium-salt-treated southern pine, 8063
 survey, 5195
 unlaxial creep, measurement in free film form, 12570
 viscous, flowmeter determines mix ratio, 17988
 Adirondack-type shelter, 10186
 Adjustment Board, National Railroad, *see* National Railroad Adjustment Board.
 Adjutant General's Office:
 Army Library—
 selected current acquisitions, 3864
 selected periodical literature, 3867
 Administration, *see* Administrative management.
 Administrative agencies, *see* Government offices.
 Administrative Conference of United States: appropriations, 1968—
 hearings, 6027, 10806
 report, 9097
 Administrative facilities, Navy Dept. design manual, 17065
 Administrative management:
 Air Force, laboratory policies and practices for procurement management, pamphlet, 13261
 and computers, USSR study, 6506
 aviation maintenance 1 & C, Navy training course, 7011
 calling all majors for administrative careers in Federal agencies, 10431
 civil defense management textbook, 16056
 civilian manpower management, Journal of Navy civilian personnel management, 8602
 contractor data and reports, 5702
 cost, source of funds, expended for public assistance payments, 4752
 data processing management in Federal Government, hearings, 16328

Administrative management—Continued

Defense Department, correspondence course offered by Industrial College of Armed Forces, information booklet, 9607
 defense traffic management handbook, 6142, 10889
 dental administration, Navy manual, changes, 8576, 14584
 DoD nationwide priority referral system, improved management, 2152
 farm programs, operation and administration, problems and complaints, hearings, 10799
 Federal administrative and management positions, examination announcement, discontinuance notice, 10424
 food service management, Air Force manual, 8857
 free management assistance publications, list, 5492
 GREMEX, new management training concept, 9852
 management and marginal employee, personnel practices, etc., 2242
 management and technical aid for displaced small businesses, 14643
 management course presentations, 13115
 management course program, topics, 1598, 7109
 management information, blueprint for tomorrow (address), 4119
 manpower, improved management in Federal Government, 12209
 print as House document, report, 12280
 manpower rotation policy models, 7404
 military personnel policies, digest, Army pamphlet, 17382
 NASA management issuances—
 indexes, 11395, 15496
 table of contents, 15513
 Naval Personnel Bureau, personnel administration, functions, etc., 11661
 Navy management review (periodical), 3614
 PACAF basic bibliographies—
 management, excluding personnel, 10228
 personnel management, 10230
 packaging administration, Army field manual, 15938
 personnel, code of Federal regulations, 6292
 personnel information bulletin of VA, 3681
 personnel literature, 3682
 personnel management, pay, national survey, 2507
 personnel management series, 14871
 Personnel Management Training Center, curriculum, administration, etc., 4405
 personnel practices in public institutions for delinquent children, survey, 4367
 perspectives in defense management (periodical), 12658
 progress interview, helps for management in counseling people about their work, 6373
 public management sources, 3784
 public works management, Navy, 2781
 records management and services, procedures, GAO guidance manual, 6374
 research equipment for Federal laboratories, better management, procurement, and utilization, hearing, 15028
 river basin operations, alternative institutional arrangements for managing, 17292
 school plant management series, 16499
 second level management, review and analysis, 13450
 senior level positions, examination announcement, 8988
 shelter management, civil defense textbook, 16057
 small business—
 management aids for small manufacturers, annual compilation, 2854

- Administrative management**—Continued
small business—continued
management series, 2857, 13118
starting and managing series, 5497,
8679, 15733
- Small Business Administration**, free man-
agement assistance publications, list,
18202
- staff, examination announcement, 16068
- Treasury Department**, progress in man-
agement improvement, report, 5572
- Veterans Administration**—
hospitals, research bulletin, 11890
management internships, 8781
- Vls-A-Plan technique** provides perform-
ance-time scale, 15531
- Administrative Office of United States
Courts**:
annual report, 8800
Federal Judicial Center, establish—
hearings, 16422
report, 12258
- Administrative personnel**, *see* Administrative
management.
- Administrative procedure**:
act—
amend, hearings, 13871
codify provisions of public law 89-487—
law, 12165
reports, 7707, 10780
public information section, Attorney
General's memorandum, 12762
District of Columbia government, pre-
scribe, report, 9130
Government offices—
administrative delay evaluation charts,
4647
delay in proceedings, questionnaire sur-
vey, 2130
investigation—
authorization, report, 4616
expenses, report, 15099
report on findings, 9280
- Administrators**:
administrative staff, examination an-
nouncement, 16068
definition under fair labor standards act,
1665
Federal Aviation Agency representatives,
FAA regulations, 11004
- Admiral's House**, quarters of chiefs of naval
operations, history, 9976
- Admittance (electricity)**, *see* Impedance.
- Adolescence**, *see* Youth.
- Adoptions** in 1965, supplement to child wel-
fare statistics, 16043
- ADP Management Training Center**, manage-
ment of automatic data processing in Fed-
eral Government, training programs, 16062
- Adrenal glands**:
airmen who apply insecticides from air-
craft may suffer ill-defined effects, 17410
rate of function, effect on parotid fluid
uric acid levels, 11959
- Adsorbents**, coal and modified coals, use for
removing organic contaminants from waste
waters, 2588
- Adsorption**:
carbon dioxide—
of anthracite, surface area studies, 1412
on carbon solids, 5351
carbon-14 labeled stearic acid on iron,
study, 14595
effect of adsorbed water upon spreading of
organic liquids on soda-lime glass, 18110
environmentally modulated process for
desalting water, 8212
organic compounds, at electrodes, 10003
- Adult education**, *see* Education.
- Adults**:
binocular visual acuity, by region and
selected demographic characteristics,
13099
civil defense education, personal and fam-
ily survival, teachers manual, changes,
7916, 12470
- Adults**—Continued
decayed, missing, and filled teeth in adults,
1960-62, United States, 5470
mean blood hematocrit, 10069
osteoarthritis, demographic characteristics,
5468
serum cholesterol levels, 8661
- Advanced Study in Health Sciences**, Inter-
national Center for, *see* International Cen-
ter for Advanced Study in Health Sciences.
- Advanced threshold reduction techniques**
study, 6716
- Adverse action**, law and regulations, un-
notated, 3300
- Advertising**:
alert, 2989
consumer confidence, important (re-
marks), 241
consumer response to various levels of
advertising for fluid milk, 17322
deceptive, trade regulation rule relating
to sizes of viewable pictures, shown by
television receiving sets, 6337, 11068
medical, compendium, 14074
network TV, anticompetitive effects of
sale, hearings, 10857, 16424
outdoor, along Federal-aid highways, con-
trol, 1968 authorizations—
hearings, 15174
reports, 15126, 16272
pacemaker of business expansion and bet-
ter business practice (remarks), 7582
retail stores, bibliography, 5494
- Advisory Commission on Information**:
report, 1966—
departmental edition, 13190
document edition, 13550
- Advisory Commission on Intergovernmental
Relations**:
act establishing, amend, law, 446
annual report, 7240
appropriations, 1968—
hearings, 6027, 10806
law, 13529
reports, 9097, 10791
general information, 13191
metropolitan America, challenge to Fed-
eralism, study, 2048
print additional copies, reports, 10590,
10785
State legislative program, 15822
study information service to aid partici-
pation in federally assisted programs,
hearings, 4639
- Advisory Commission on International Edu-
cational and Cultural Affairs**, report, 4th
annual, 4487
- Advisory Committee on HEW Relationships
with State Health Agencies**, report, 6413
- Advisory Committee on Older Americans**,
declaration of objections for Older Ameri-
cans under title 3, Older Americans act,
10145
- Advisory Committee on the Arts**, report on
cultural presentations, USA, 17226
- Advisory Committee on Voluntary Foreign
Aid**, reports of American registered agen-
cies, 2419, 12655
- Advisory committees**, PHS public advisory
groups, authority, structure, functions,
2831, 11759
- Advisory Council on Extension and Contin-
uing Education**, *see* National Advisory
Council on Extension and Continuing
Education.
- Advisory Council on Historic Preservation**:
establish—
law, 384
report, 673
- Advisory Council on International Monetary
and Financial Policies**, *see* National Coun-
cil on International Monetary and Finan-
cial Policies.
- Advisory Council on Programs Relating to
Population Growth**, establish, report,
13837

- Advisory Council on State Departments of Education, annual report, 13961
- Advisory Health Council, National, *see* National Advisory Health Council.
- Advisory, monthly newsletter from Office of National Councils and Organizations to advisory councils, 2990
- AE-CL series, 3091
- AEC, *see* Atomic Energy Commission.
- AEC-NASA tech briefs, 5139-56, 6695-6704, 8381-8404, 9793-98, 11390-392, 12832-845, 14363-369, 15485-491, 16877-887, 17919-932
- AEF, *see* American Expeditionary Forces.
- Aeneas quadrangle, Wash., eastern part, geology, 16682
- Aeration, capacity of streams, 9570
- Aerial dispersal of pink bollworm in U.S. and Mexico, 5678
- Aerial mapping:
 - airborne infrared mapper as tool for detecting and measuring fires, 8106
 - image interpreter map displays, chip versus hard copy, 4224
- Aerial photogrammetry, *see* Photogrammetry.
- Aerial photography:
 - ASCS maps, status, 15833
 - detection and classification of ash dieback on large-scale color aerial photographs, 8116
 - forester's guide to photo interpretation, 4097
 - Gemini IV mission, terrain photography, 11528
 - large scale 70-mm photographs, wedge measures parallax separations, 16659
 - soils, aerial-photo interpretation in classifying and mapping, 4096
- techniques for—
 - estimating damage by insects in western forests, 14078
 - recreation inventory of mountain lakes and streams, 14128
- television cloud photography, meteorological satellite data—
 - ESSA 3, 16536
 - TIROS IX, 6227
 - TIROS X, 13990
- worldwide use of airphotos in agriculture, 17304
- Aerial radiological measuring survey:
 - aeroradioactivity—
 - Sedan project 62.80c, 12002
 - Small Boy project 62.80b, 12001
 - aeroradioactivity and areal geology—
 - Pittsburgh area, 1779
 - southeastern New York and southern New England, 1778
 - Orlando area, 1780
 - Parr area, S.C., 1781
 - Project Sedan aerial radiometric survey, 7426
- Aerial spraying, *see* Sprays and spraying.
- Aerial surveys, waterfowl counts 1961-66, factors influencing, 15268
- Aero Trucking, Inc., motor carrier accident, 16875
- Aeroballistic launch vehicles, *see* Spacecraft.
- Aerobee rockets, *see* Rockets.
- Aerobic-bacteria culture apparatus employing new foambreaker, 10007
- Aerodynamic heating:
 - correlation of free-flight turbulent heat-transfer data from axisymmetric bodies with compressible flat-plate relationships, 5272
 - Project Mercury spacecraft afterbody, flight test data compared with prediction methods, 14372
- Aerodynamics:
 - characteristics—
 - cone-cylinder-frustum-cylinder configurations, 9804
 - spherically blunted cones, 14488
- Aerodynamics—Continued
 - characteristics—continued
 - tension shell shapes, configuration modifications effects, 14475
 - computer program simplifies transient and steady-state temperature prediction for complex body shapes, 9825A
 - decelerators, wakes, their structure and influence upon, 9808
 - flow prediction in shock layer over bodies at small angles of attack, methods, 11507
 - gas dynamics—
 - calculation of installation with light piston, USSR study, 4999
 - methods of high-speed measurement, 4997
 - hypersonic characteristics of minimum-wave-drag bodies having variations in cross-sectional shape, 16971
 - hypersonic performance of minimum-wave-drag bodies, 1515, 12968
 - loads and dynamic response of rotor blades of tandem-rotor helicopter, predicting, 13310
 - longitudinal characteristics of high-drag bodies, 9892
 - optimum body shapes at hypersonic speeds, studies, 18024
 - pressures and forces of flare-stabilized bodies in air and in mixture of 85-percent CO₂ and 15-percent air, 17011
 - spherically blunted cones with base flares, characteristics, 1486
 - static characteristics, ablating conical teflon models, measured and computed, 11555
 - static longitudinal characteristics of decelerator test vehicle, 6897.
 - supersonic handbook, 1542
 - supersonic, viscosity and heat transfer effects, handbook, 1542
 - testing of airborne lightweight high-efficiency radial fan, 10292
 - transonic characteristics of supersonic fighter-bomber airplane model with external fuel tanks and other modifications, 1505
 - transonic investigation of tension shell and blunted 100° conical shapes for unmanned entry vehicles, 1504
 - unidimensional problems in gas dynamics, numerical solution, characteristics method, application, 14500
- see also* Aircraft—Airplanes—Boundary layer—Drag (aerodynamics)—Flight—Flow—Flutter (aircraft)—Heat transfer—Helicopters—Lift (aircraft)—Spacecraft—Wings (aircraft).
- Aeroelasticity, divergence characteristics of unguided, slender-body, multistage launch vehicles, 9883
- Aeroembolism:
 - calisson disease, prevention and treatment, USSR study, 8238
 - decompression sickness in high-altitude flight, 14778
 - measures for providing safe working conditions during calisson operations described, USSR study, 6524
- Aeromagnetic maps, surveys, etc., *see* Maps and charts.
- Aeromedical reviews, 4174, 7340, 11953, 14769
- Aeronautical and Space Sciences Committee, Senate:
 - calendar, 3488
 - committee prints, 4628, 7791
 - hearings, 6088-89, 7790, 9299, 10796-797, 12396
 - investigations and studies, aeronautics and space activities, authorization, report, 4605
 - report, 12390
- Aeronautical charts, *see* Maps and charts.

Aeronautical instruments, stall barrier as new preventive in accidents, 1823
 Aeronautical supplies:
 aircraft type certificate data sheets and specifications, 3018, 12487
 coordination between procurement of technical equipment and its ultimate utilization, FAA, GAO review, 2346
 hi-valu parts, management by Pacific Air Forces bases, GAO report, 8133
 inventory accounting systems for aeronautical equipment, Navy Dept., GAO review, 16676
 Aeronautics:
 activities of Federal departments, etc., investigation, authorization, report, 4605
 air cargo services (remarks), 180
 air traffic patterns for IFR and VFR aviation, 17740
 air transport—
 industry development (remarks), 186
 possible impact of Transportation Department (address), 17449
 air transport services, agreement with—
 Austria, 2905
 Peru, 2912
 Union of Socialist Republics, 5552
 air transportation facilities, Rapid City, S. Dak. (remarks), 12097
 airman's information manuals, 3020-23, 10976-978
 Army aviation—
 digest, 3996
 meteorology applicable, technical manual, change, 7390
 utilization, field manuals, 4203, 15935
 aviation news (periodical), 3257, 9440
 aviation radio services, FCC rules and regulations, 3275
 chart updating manual, 3212
 chronology on science, technology, and policy, 1441
 civil aviation—
 accidents, briefs (periodical), 7518, 13014
 accidents, summary reports (periodical), 3923
 Government publications, list, 7059
 oxygen equipment, physiological protective efficiency, techniques for evaluating, development, 15979
 code of Federal regulations, 7977, 9462-63
 communications and pilot services, ATS handbook, 2991
 demand and airport facility requirement forecasts through 1980 for large air transportation hubs, 15904
 divisional aviation battalion and group, Army field manual, 10259
 education services and resources, list, 9438
 FAA statistical handbook of aviation, 4756
 Federal aviation act, coordination of unlike modes of transportation (remarks), 1898
 Federal aviation act of 1958—
 enforcement procedures, regulations, 10986, 14001
 rule making procedures, FAA regulations, 1039, 12489
 Federal aviation regulations, 1038-41, 2234-37, 4757-59, 6238-41, 7947-51, 9441-44, 10986-11005, 12488-498, 14000-11, 15237-238, 16551-557, 17743-746
 status, 12501
 general aviation accidents, small fixed-wing aircraft, briefs (periodical), 3063
 international notams, 3437, 9445
 joint financing of air navigation services in Iceland, agreement with other governments, 7158
 memorandum for aviators, 3548
 naval aviation news, 3605
 naval aviation safety review, 3036

Aeronautics—Continued
 news of Soviet aviation and cosmonautics, 1311
 notice to aviators, Navy, 3640
 index, 9967
 oxygen in general aviation, 4250
 PACAF basic bibliography, 4169
 Pacific airman's guide and chart supplement (periodical), 3668, 12500
 partial revision of radio regulations, with additional protocol—
 report, 13726
 text, 7772
 personnel, training program, establish, study, 16480
 problems in aviation meteorology, USSR studies, 1335
 research and development policy, hearings, 7790
 research, investigation—
 authorization, report, 7671
 expenses, report, 10554
 rules of practice in economic proceedings, CAB procedural regulations, 7520
 speaking of space and aeronautics (series), 2733-34, 5280-81, 9932, 17022, 18059
 survey, Air Force Academy Library bibliography, 10207
 United States activities, annual report, 5994
 weather procedures, handbook, changes, 4188, 16548
 see also Flight—also certain headings beginning Air.
 Aeronautics and Space Administration, National, see National Aeronautics and Space Administration.
 Aeronomy, polar region studies, USSR, 8277
 Aerophotography, see Aerial photography.
 Aerosols:
 bacterial, microbiological studies, 11290
 bacteriologic evaluation, man in oxygen-helium atmosphere, 84
 radioactive, filter pack technique for classifying by particle size, 10017
 Aerospace, see Outer space.
 Aerospace biology, see Biology.
 Aerospace maintenance safety, 2992
 Aerospace medicine, see Medicine.
 Aerospace Research Office:
 directory of key staff offices and laboratories, 7334
 general information, 11968
 index of research results, 17342
 monograph series, 15890
 OAR Research Applications Conference, proceedings, 7337
 OAR series, 7335-37, 15888-889, 17342
 research objectives, 1967, physical sciences, engineering sciences, environmental sciences, life sciences, 7356
 research resumé, 15888
 research review (periodical), 3827
 Aerospace safety (periodical), 2993
 Aerospace vehicles, see Spacecraft.
 Aesthetics, and national interest (address), 12462
 AET, mechanism of action of AET, protection of DNA against ionizing radiation by GED, 5713
 AFICRL, see Air Force Cambridge Research Laboratories.
 AFIC, see Families—Public assistance.
 Affens, Wilbur A., flammability properties of hydrocarbon fuels, 17094
 Afferent nerves, see Nervous system.
 Afflicting the comfortable, 18140
 Afghanistan:
 agricultural commodities, agreement, 17227
 capsule facts for Armed Forces, 15909
 mineral industry, minerals yearbook chapter, 6642
 technical cooperation agreements, 5532, 7164, 15768
 AFL-CIO, see American Federation of Labor-Congress of Industrial Organizations.

- AFOSR, see** Air Force Office of Scientific Research.
- Africa:**
- African national developments, 4154**
 - agricultural situation—**
 - midyear reviews, 991, 16494
 - 1966 review and 1967 outlook, 10924
 - contributions to hydrology of Africa and Mediterranean region (series), 11189**
 - development lending, investigation, authorization, report, 7718**
 - East, establishing business in, 4444**
 - labor digests, 8316**
 - market profiles, 14880**
 - mineral industry—**
 - minerals yearbook chapter, 12805
 - regional review, minerals yearbook chapter, 12812
 - northwest, sailing directions, changes, 7001, 17071**
 - problems and prospects, bibliographic survey, 13296**
 - southeast coast, sailing directions, change, 9970**
 - southwest coast, sailing directions, change, 18096**
 - sub-Sahara, selected functional bibliography, 17210**
 - translations, 3949**
 - west coast—**
 - lights and fog signals, list, changes, 1538, 5333, 11643, 18100
 - tide tables, 12120
 - see also** South Africa.
- Africa and Madagascar, Agency for Safety of Air Navigation in, see** Safety of Air Navigation in Africa and Madagascar Agency.
- African swine plague, see** Swine plague.
- Africans, tumors in alimentary tract, symposium, 14632**
- AFSC, see** Air Force Systems Command.
- Afterbodies, Project Mercury spacecraft flight test aerodynamic heating data compared with prediction methods, 14372**
- Agar:**
- acetate differential, comparison with Sellers citrate-mannitol-agar, 10233
 - concentration in counting Clostridium colonies, 17346
- Agate Fossil Beds National Monument, general information, 18090**
- Age:**
- binocular fusion time, pilot vision considerations, effect of age, 4253
 - discrimination in employment—
 - prohibit, hearings, 9325
 - State laws, summary, 5050
- Age of transition, rural youth in changing society, 17305**
- Aged:**
- aging (periodical), 2995, 14732
 - aid for the aged, recommendations, message from the President, 12198
 - charges for care in institutions, 17169
 - consumer interests of the elderly, hearings, 9300
 - declaration of objectives for older Americans, is your community ready?, 10145
 - FHA mortgage insurance on housing for elderly, 6427
 - health insurance—**
 - conditions for coverage of independent laboratories, 5502
 - extended care facilities—
 - directory, 15738
 - manuals, 5504, 7120
 - home health agencies, directory, 11793
 - home health agency manual, revisions, 8687, 18206
 - hospital manual, 10084
 - hospitals, directory, 11794
 - initial operating data, 5515
 - provider costs under medicare, reimbursement, principles, 5503
- Aged—Continued**
- health insurance—continued**
 - services by hospital-based physicians under medicare, reimbursement principles, 7119
 - health insurance for the aged, HIM (series), 5502-4, 7119-20, 8687, 10084, 18206**
 - health records system for nursing homes and homes for aged, organizational guide, 7072**
 - health services—**
 - housing for the elderly, Dexter Manor story, 5436
 - older Americans, costs and delivery hearings, 17633
 - housing—**
 - loan program, information for applicants, 16712
 - minimum property standards, 9582
 - program for senior citizens in Nation's Capital, 11593
 - rental & co-op, loans for senior citizens in rural areas, 10194
 - senior citizens, loans through nonprofit corporations, 2383
 - income-tax treatment—**
 - analysis of H.R. 5710, 6048, 16346
 - revise, hearings, 7763, 10684
 - medical care, social security—**
 - amendments of 1965 enable District of Columbia to participate, hearings, 10645
 - amendments of 1967—
 - hearings, 15154, 16409
 - reports, 14953, 14964
 - summary, 15033
 - medical insurance, extend deadline for enrollment—**
 - law, 16142
 - report, 16264
 - medicare—**
 - almost 65? important information, 5510
 - hospital and medical insurance, 5511
 - meeting challenge of later years, guide to community action for senior citizens month, 1967, and year-round activity, 8802
 - middle-aged and older people, patterns of living and housing, 14634**
 - needs for services revealed by Operation Medicare Alert, 937**
 - net worth, 17200**
 - new day for the older American, selected papers, 10146**
 - nursing and personal care homes, employees, number, work experience, etc., 7098**
 - nursing care of the aged, bibliography, 10056**
 - older Americans act of 1965—**
 - amend, hearings, 17669
 - amend, report, 914
 - amendments of 1967—
 - hearings, 12423, 15023
 - law, 13528
 - reports, 12272, 13809
 - older volunteers in Peace Corps, 5381**
 - planning for the later years, 18207**
 - population of United States, social security survey, 13120**
 - rent supplement program, effects, hearing, 13838**
 - retirement housing, western style (address), 17843**
 - rural county cares for its aging, story of Altkin County, Minn., 4082**
 - social security—**
 - increases, reduction of retirement benefits—
 - hearings, 10798
 - report, 15144
 - special benefits for people 72 or over—
 - brief explanation, 2873
 - during last quarter of 1966, brief explanation, 10086

Aged—Continued

VISTA, at my age 3, 10914
see also Aging.
 Aged, Special Committee on, Senate, hearings, 17633
 Agee, Frank L., jr., equidistance judgments in vicinity of binocular illusion, 139
 Agee, H. R., ultrasonic speaker for studies of acoustic sensitivity of tympanate moths, 4083
 Agena, *see* Spacecraft.
 Agency for International Development, *see* International Development Agency.
 Agents, *see* Foreign agents—Manufacturer's agents.
 Ageon, Robert W.:
 deep mine stress determinations using flatjack and borehole deformation methods, 6676
 stress ellipsoid determination, in rock-burst-prone area at 4,000 foot depth, Galena mine, Wallace, Idaho, 14351
 Aggregates:
 coarse, crushed limestone, 3- and 6-in. maximum size, contained in mass concrete, comparison of properties, 4745, 6216
 larger than 1½ inch, testing, 6215
 mineral industry, Denver, Colo., area impact of urbanization, 6637
 urbanization and mineral aggregate industry, Tucson, Ariz., area, 5105
 Aging:
 developments, 1966, report, 7789
 Federal financial assistance for projects in aging (series), 13192-194
 national conference of State executives, selected papers, 10146
 patterns for progress in, case study (series), 4082
 USSR theories, 4942
 see also Aged.
 Aging Administration:
 research, demonstration, and development grants, 13192
 training grants, 13193
 Aging, Special Committee on, Senate:
 committee prints, 937, 2104, 15144
 continuing authority, etc., report, 4614
 hearings, 2103, 9300, 10798, 13838
 report, 7789
 Agostino, Rosa, relief, 9240, 13504, 13595
 Agostoni, E., forces deforming rib cage, 10238
 Agreement on tariffs and trade, *see* General agreement on tariffs and trade.
 Agreements (industrial), *see* Industrial agreements.
 Agricultural adjustment act, *see* Agriculture.
 Agricultural attache, his history and his work, 1084
 Agricultural chemicals, *see* Chemicals.
 Agricultural colleges, work of higher learning institutions in Soviet Union and German Democratic Republic, 6572
 Agricultural commodities, *see* Agricultural products.
 Agricultural commodity graders, *see* Graders.
 Agricultural Conservation and Stabilization Service, aerial photography status maps, 15333
 Agricultural conservation program:
 forestry accomplishments, 1957-64, southeastern Ohio, 14135
 national bulletin, 7256
 progress, 1966 highlights, 14757
 summary, 1966 fiscal year, 5620
 Agricultural credit:
 Bankhead-Jones farm tenant act, amend—law, 500
 reports, 910, 16368
 farm loan act, amend, report, 15130
 farm loan act, etc., text, 1983
 farm real-estate credit, analysis of borrowers and lenders, 2170

Agricultural credit—Continued

sources of funds to meet farm credit needs (remarks), 1069
see also Loans—Production credit associations.
 Agricultural economics, *see* Agriculture.
 Agricultural education, *see* Agriculture.
 Agricultural experiment stations, State, professional workers, 5622
see also names of particular stations, e.g. Alaska Agricultural Experiment Station.
 Agricultural extension specialists, examination announcement, discontinuance notice, 10422
 Agricultural extension work, *see* Agriculture.
 Agricultural finance, *see* Agriculture.
 Agricultural hydrology, *see* Hydrology.
 Agricultural implements, *see* Farm implements and machinery.
 Agricultural insurance:
 crop insurance—
 fieldman and supervisor, examination announcement, amdt., 5921
 statutes, compilation, 7263
 see also Hail insurance.
 Agricultural laborers, *see* Farm labor.
 Agricultural machinery, *see* Farm implements and machinery.
 Agricultural marketing (periodical), 2997
 Agricultural marketing specialists, examination announcement, 7534
 Agricultural outlook, *see* Agriculture.
 Agricultural periodicals, *see* Periodicals.
 Agricultural policy, *see* Agriculture.
 Agricultural products:
 acquisition and disposal of farm commodities by CCC, 19
 acreage diversion, statutes, compilation, 7262
 agricultural commodities, agreements with—
 Afghanistan, 17227
 Algeria, 2892
 Bolivia, 8723, 11838
 Brazil, 5547
 Ceylon, 1641
 Colombia, 7173
 Congo (Kinshasa), 2886, 5535, 11840
 Ecuador, 15765
 Ghana, 14684
 India, 1635, 2935, 7180, 11848, 11860
 Indonesia, 5541, 7154
 Iran, 8737
 Iraq, 11844
 Israel, 17245
 Jordan, 2888, 2917
 Kenya, 14686
 Korea, Republic, 8747, 17229
 Liberia, 2891
 Morocco, 1636-37, 7163, 7176, 8727
 Pakistan, 1640, 7166, 8744, 15772, 15793
 Paraguay, 1634
 Philippines, 8746
 Sudan, 2889
 Tunisia, 1642, 5537
 Turkey, 17228
 Vietnam, 2902, 7179, 8734, 15783, 15804
 agricultural commodity grader, career, 9356
 agricultural marketing (periodical), 2997
 agricultural prices (periodical), 2999
 agricultural trade negotiations of Kennedy round, report, 16643
 ASCS commodity offices, where they are, what they do, 13207
 ASCS production adjustment programs, 8817
 building export markets for U.S. farm products, 6361
 CCC monthly sales list, 3083
 commercial sales and exports (remarks), 7295
 commodity classification for transportation, statistics, 13352

INDEX 1967

- Agricultural products—Continued**
 coordination in administration of Public law 480, hearings, 955
 donated commodities, transported to State agencies, opportunities for reducing costs, GAO report, 4872
 export potential for U.S. agribusiness (remarks), 16111
 export programs, etc. (remarks), 13244
 exportation of agricultural commodities, encourage, hearing, 17589
 exports, bigger than ever in '67, general information, 8846
 Federal stockpile inventories, report, 2986
 foreign agricultural trade, monthly, 3343
 foreign commercial markets (talk), 4818
 foreign trade—
 by commodities—
 1965-66 fiscal year, 6174
 1966 calendar year, 13951
 by countries—
 1965-66 fiscal year, 10927
 1966 calendar year, 16495
 economics of foreign countries and U.S., selected list of publications, 993
 grade names used in USDA, list, 14737
 grader, examination announcement, discontinuance notice, 16076
 handbook of agricultural charts, 17306
 Japanese market, competitive position of U.S. farm products, 995
 Latin America, 20 countries, Guyana, Jamaica, and Trinidad and Tobago, indices, 4700
 long term forecasts of supply and demand in Venezuela, summary and evaluation, 12456
 market promotion of Foreign Agricultural Service, review, report, 10615
 marketing act of 1946, amend, report, 16361
 marketing act of 1946 and regulations thereunder, 9332
 marketing agreement act of 1937, amend, hearing, 712
 marketing bill—
 and its components, 6170
 for farm-food products, 987
 marketing bulletins, 15858
 marketing research reports, 34-37, 1702-4, 4120-22, 5644-53, 7276-78, 8834-36, 10179-181, 11933-935, 13228, 14751, 15859-864, 17322
 orderly liquidation of stocks of agricultural commodities held by Commodity Credit Corporation and expansion of markets for surplus agricultural commodities, 5665
 perishable agricultural commodities act—
 fair trading in fruit and vegetable industry, 13236
 what food retailers should know, 8843
 price supports, active and announced programs, 2984
 prices, 1966 annual summary, 13156
 producers, control unfair trade practices—
 hearings, 10800
 report, 15086
 production research reports, 50, 4140, 5678, 14759, 15873-874
 promote international trade, extend public law 480, etc., law, 512
 publications, price list, 7055
 purchase reports, 3789
 resale program in commercial storage, hearings, 10627
 sales reports, 3848
 Saudi Arabia, supply and demand projections to 1975, with implications for U.S. exports, 7886
 surplus, concessional sales, administration of cargo preference act, 4551
 tropical products, foreign agriculture circulars, 3345
- Agricultural products—Continued**
 USDA standards, list, 13215
 vegetable products, trade and tariff information, summaries, 7203
 world agricultural production and trade, statistical report, 4072
 world population needs (address), 4092
 Agricultural Research Center, Beltsville, Md:
 guide, 13204
 what it is, where it is, etc., information bulletin, 7263
 Agricultural Research Laboratory, University of Tennessee, research progress report-7425
 Agricultural research scientists:
 examination announcement, 12103
 discontinuance notice, 12106
 Agricultural Research Service:
 appropriations, 1968, hearings, 10629, 12397
 ARS series, 2-9, 1672-74, 4083-86, 5615-16, 7241-52, 8803-8, 10147-156, 11915-922, 13196-203, 14733, 15824-827, 17299-300
 hog cholera eradication program, controls over use of vaccines, GAO review, 9549
 research roundup 1966, picture story, 4139
 scientific careers, 17323
 plant pest control, 13229
 Agricultural science review, 3001
 Agricultural situation, see Agriculture.
 Agricultural situation (periodical), 3002
 Agricultural Stabilization and Conservation Service:
 administration of program crops certification, 7293
 appropriations, 1968, hearings, 10629, 12397
 ASCS background information BI series, 19, 5621, 8816-17, 13207
 commodity offices, where they are, what they do, 13207
 county employees, extend certain benefits to—
 hearings, 10870, 17609
 report, 13807
 general information, 8816
 press releases, 3703
 production adjustment programs, 8817
 purchase reports, 3789
 sales reports, 3848
 wheat marketing allocation program, need to further revise regulations to minimize loss to Government, 1100
 Agricultural statistics, see Agriculture.
 Agricultural supplies:
 Federal item identification guides for supply cataloging, supplements, 3290
 regional cooperatives handling supplies, 1964 and 1965, handbook, 7943
 Agricultural trade development and assistance act of 1954:
 coordination in administration of Public law 480, hearings, 955
 extend, etc., law, 512
 extension, new food aid program, 4127
 food for freedom, monthly news report on activities under PL 480, 3342
 Library of Congress Public law 480 project:
 accessions lists—
 Ceylon, 11337
 India, 3416
 Indonesia, 3419
 Israel, 3450
 Middle East, 3554
 Nepal, 3618
 Pakistan, 3673
 newsletter, 3507
 Public law 480, statutes, compilation, 7262
 text and amendments, compilation, 4463

Agricultural Weather Service, National, *see* National Agricultural Weather Service.

Agriculture workers, *see* Farm labor.

Agriculture:

- act of 1956, amend—
 - hearings, 15012
 - reports, 13683, 13687
- Africa and west Asia, situation—
 - midyear reviews, 991, 16494
 - 1966 review and 1967 outlook, 10924
- agricultural adjustment act, amend—
 - hearings, 10624, 13692, 17588
 - laws, 9036, 13532, 17551
 - reports, 7666, 7782, 10574, 13801, 14948, 15127, 16274, 16369
- agricultural application of remote sensing, potential from space platforms, 15843
- agricultural/biological vocabulary—
 - alphabetical list, 17026
 - categorized list, 17025
- agricultural economic reports, 983-984, 2168-70, 6170-72, 7880-82, 9387-89, 10916-917, 12452-453, 13941-942, 16485-487, 17710-711
- agricultural economies—
 - graphic analysis, applications, 4099
 - of foreign countries and U.S. foreign agricultural trade, selected list of publications, 993
 - periodic reports, list, 10195
 - reports and publications, 1961-65, Economic Research Service, 13947
 - research (periodical), 2996
- agricultural extension programs, using visuals, 16569
- agricultural meteorology, USSR studies, 4957
- agricultural outlook digest, 2998
- agricultural policy—
 - address, 1676
 - review of programs and needs, 17124
- agricultural prices (periodical), 2999
- agricultural production, effects of climate changes, Communist China study, 9673
- agricultural research (periodical), 3000
- agricultural science—
 - in science community (address), 10160
 - review, 3001
- agricultural situation—
 - 1967, hearing, 6025
 - periodical, 3002
- agricultural trade, European Economic Community, 1959-64, statistical reference, 2174
- agriculture handbooks, 28, 1678-82, 4096-99, 5622-23, 7260-62, 10161-162, 13211-215, 14735-737, 15836-837, 17304-306
- agriculture information bulletins, 29, 1683, 4100, 5624, 7263-66, 11927, 13216-217, 14738, 15838-843, 17307-308
- agriculture monograph, 7267
- agriculture 2000—
 - communities of tomorrow (address), 8821
 - growing nations, new markets (address), 8822
 - income and abundance (address), 7268
 - knowledge for living (address), 8823
 - resources in action (remarks), 8824
 - resources in action, outline of conservation policies, 10200
 - science in service of man (address), 10163
 - speeches (compilation), 13218
- agriculture's challenge today and tomorrow, report of Secretary of Agriculture, 11942
- American, men and milestones, 2039
- assistance for developing countries, picture story, 17332
- pilgrims, protect, case studies, 140

Agriculture—Continued

- balance sheet, 17308
- bank financing, 12530
- bibliography, 3056
- books and periodicals, selected list, 14505
- Brazil, position in world agricultural trade, 17713
- census, 1964—
 - counties, farms, livestock, etc., 5903-4, 7499-7510, 8962-65, 10388-398, 12091-92, 13404-412, 14837-839, 16036-40, 17442
- data-collection forms and procedures, 16041
- final reports, 16041
- preliminary reports, 3085
- census publications, price list, 7056
- challenge, today and tomorrow (address), 30
- chronology of American agriculture, 1790-1965, chart, 4696
- code of Federal regulations, 6267-73, 7975, 9460, 11030-32, 12516-520
- Communist Chinese scientific abstracts, 3114
- cooperation, 1954-64, selected references, 1517
- cooperative extension services in District of Columbia, establish, hearing, 16387
- creative industry (address), 13210
- decisions, 3003
- East European, translations, 3954
- economies of size in farming, theory, analytical procedures, etc., 6172
- employer-employee relationship where share-cropping arrangements or landlord-tenant agreements provide shares of crops as rental payments in farm operations, 7223
- era of dramatic change and expanding opportunity (address), 27
- Europe and Soviet Union situation—
 - midyear review, 16491
 - 1966 review and 1967 outlook, 9394
- export policy (address), 1677
- fair practices act of 1967—
 - hearings, 10800
 - report, 15086
- Far East and Oceania—
 - agricultural data book, 10926
 - situation—
 - midyear review, 16492
 - 1966 review and 1967 outlook, 12455
- Federal programs, effect on rural America—
 - hearings, 17583
- finance outlook, 2171
- finance review, 985
- supplement, 10918
- food and agriculture act of 1965, amend, report, 15087
- food costs, farm prices, compilation, 13694
- food needs and U.S. agriculture in 1980, analysis of land, labor and capital requirements, etc., 17122
- foreign agricultural economic reports, 995, 2176, 4702, 15209, 17714
- Foreign Agricultural Service, miscellaneous FAS-M series, 1084, 2286, 4816-17, 8047-48, 9524-25, 11097-99, 12565, 14076, 16641-643, 17792
- foreign agriculture (periodical), 3344
- foreign agriculture circulars, 3345
- foreign agriculture, publications, price list, 7055
- future international meetings, world list, 4073
- genetics introduced into agriculture, USSR study, 1189
- Georgia, federally assisted in programs, equal opportunity, 16061
- good farm worker housing is good farm business, 2194
- handbook of agricultural charts, 17306
- historic books and manuscripts concerning general agriculture in collection of National Agricultural Library, 8515

Agriculture—Continued
 hunger is ahead in race between hunger and hope, picture story, 17331
 Indonesia, 9393
 information services offered by National Agricultural Library and other Government agencies, 5282
 international—
 agricultural development, monthly newsletter to cooperators, 3432
 agricultural trade, terms used, 9524
 new careers, 13234
 Latin American—
 agricultural development, role of Inter-American Development Bank (remarks), 10121
 development, food situation, report, 13701
 laws, compilation, 1986
 legislation enacted, 89th Congress, review, 4520
 meteorological and hydrological factors effects, USSR studies, 4938
 minimum wages, application, bearing, 7732
 our foreign agricultural trade, 4100
 Panama, 7887
 prospects (address), 15877
 research and marketing act of 1946, amend. report, 2020
 research roundup 1966, Agricultural Research Service programs, picture story, 4139
 scientific research coordination in Socialist countries, 7th conference, report, Hungarian study, 14242
 Senegal's agricultural economy in brief, 992
 sharing our knowledge with other nations, 13235
 slash-burn, among mountain tribes of central Vietnam, 14246
 State departments, 1967 directory, 7836
 statistical summary, 3902
 statistics, 1684
 trace elements, USSR studies, 6542
 tropical, in economy of Hawaii (address), 4093
 United States, fact book, 17324
 USSR—
 economic reform, improvement of methods of planning and economic stimulation of production, 4961
 translations, 3968
 Western Hemisphere—
 agricultural policies, 17714
 situation—
 midyear reviews, 990 16493
 1966 review, and 1967 outlook, 10925
 Work of agricultural institutions in Soviet Union and German Democratic Republic, 6372
 world agricultural production and trade, statistical report, 4072
 World Farm Center, endorse concept 13626
 world situation, 1966 review and 1967 outlook, 4702
 worldwide use of airphotos in agriculture, 17304
 yearbook, 1967—
 departmental edition, 17325
 document edition, 17566
 yearbooks, list, 8620
see also Dry farming—Farmers' cooperative organizations—Farms—*also* headlines beginning Agricultural—Farm
 Agriculture and Forestry Committee, Senate:
 calendar, 3489
 hearings, 988, 7792, 10799-802, 15145-146, 16387, 17634
 reports, 910, 925, 2083-85, 7781-83, 10748-749, 13790, 13803-804, 15088-88, 15090, 15127-130, 16361, 16368-370
 Agriculture Committee, House:
 calendar, 3470
 committee pilots, 2039, 4520-21, 13694
 funds, providing, report, 7678

Agriculture Committee, House—Continued
 hearings, 707-712, 2037-38, 6025, 7732, 9138-40, 10624-628, 13691-693, 15010-13, 16301-303, 17583-589
 investigations and studies, authorization, report, 6015
 reports, 660-661, 2020, 4495, 7666, 9083, 9101, 9119, 10573-574, 13626, 13659, 13668-669, 13683, 14948, 14981, 16255, 16274-276, 16297
 travel authorization, report, 12281
 Agriculture Department:
 activities of interest to cattle raisers (address), 7259
 Alaska Agricultural Experiment Station, transfer to University of Alaska—
 law, 366
 report, 660
 annual reports, 11940-942
 appropriations, 1967, supplemental, hearings, 2040
 appropriations, 1968—
 hearings, 9141, 10629, 12397, 13839
 law, 17558
 reports, 10620, 13815, 16300
 budget, 1968—
 amendment, 10522
 hearings, 9141, 10629
 chemical compounds authorized for use under USDA poultry, meat, rabbit and egg products inspection programs, lists, 10878, 16445
 contracts for diamonds for stockpile, balance-of-payments aspects, GAO report, 13293
 economy family food plan, sample menus and food list for week, 10157
 field staff, Foreign Service list, 3349
 food donated for distribution abroad, problems in processing claims against voluntary relief agencies for loss or misuse, GAO report, 12589
 food donation programs administered by nonprofit organizations, audit extent, GAO report, 8149
 food stamp program, method for sharing our abundance, 5669
 grade names for food and farm products, list, 14737
 HOPE highlights of personal experiences in Agriculture Dept. under President's Youth Opportunity Campaign, 8833
 inspection and grading services, dairy plants surveyed and approved, 6131
 inspection services, user charges, authorization, hearing, 15146
 institutional meat purchase specifications approved portion-cut meat products, 7838
 amendment, 12429
 land exchanges, accept cash equalization, report, 2084
 leadership for more beautiful countryside, 49
 leaflets, 32-33, 1699-1701, 4110-18, 5634-43, 7273-75, 10172-178, 11932, 14745-750, 15857, 17320-321
 marketing bulletin, 15858
 marketing research reports, 34-37, 1702-4, 4120-22, 5644-53, 7276-78, 8834-36, 10179-181, 11933-935, 13228, 14751, 15859-864, 17322
 meat inspection—
 procedures manual, 3337
 regulations, 3814, 6132
 miscellaneous publications, 38-42, 1705-9, 4123-26, 5654-64, 7279, 8837, 10182-186, 11936, 13229-233, 14752-753, 15865, 17323-324
 PA [program aid] series, 43-49, 1710-18, 4128-37, 5666-77, 7281-93, 8838-45, 10188-194, 11937-938, 13235-237, 14754-758, 15866-871, 17326-330

Agriculture Department—Continued
 plants under continuous inspection, processed fruits and vegetables, etc., list, 16447
 poultry and egg inspection and grading programs, plants operating under, lists, 2137, 16446
 poultry inspection regulations, hearing, 710
 press releases, 3704
 processed fruit and vegetable inspection, 11937
 production research reports, 50, 4140, 5678, 14759, 15873-874
 programs and services, you too can get help, 14754
 programs, etc., and their application to Alaska (address), 25
 programs for elimination of poverty in rural America (statement), 7296
 progress report on pesticides and related activities, 7294
 publications and motion pictures, bimonthly list, 3058
 registered agricultural pesticide chemicals, summary of uses, supplement, 8815
 sale of land in Lander, Wyo., reports, 925, 7781
 service, USDA's report to consumers (periodical), 3873
 standards for food and farm products, list, 13215
 statistical bulletins, 53, 1720-21, 4143-50, 5679-84, 7297-7302, 8847-48, 10201-205, 11943-944, 13247-251, 14760-762, 17333
 technical bulletins, 54, 1722-23, 4151-52, 5685-88, 7303, 8849, 11945, 13252, 14763-765, 17354-356
 telephone directory, 17337
 USDA-C&MS visual aid series, 4662, 13901
 USDA employee newsletter, 4012
 USDA grades, how to use in buying food, 5671
 veterinarians, career opportunities, 5657
 what it can do when natural disaster strikes, 10189
 what it is, and what it does (address), 4094
 wheat export program conducted by CCC, GAO review, 14159
 Agrometeorology:
 effect of agrometeorological conditions on harvest, USSR studies, 6492
 research, USSR methods and results, 6489
 United States progress, report, 11900
 Agua Caliente Reservation, see Palm Springs Reservation.
 Aguilana, Margarita L., relief, 9204
 Ahlstrom, Elbert H., distribution and abundance of sardine and anchovy larvae in California Current region off California and Baja California, 1951-64, summary, 8036
 Aho, Paul E., defect estimation for grand fir, Engelmann spruce, Douglas-fir, and western larch in Blue Mountains of Oregon and Washington, 2289
 AIB series, 29, 1683, 4100, 5624, 7263-66, 11927, 13216-217, 14738, 15838-843, 17397-398
 AID, see International Development Agency.
 Aid to families with dependent children, see Children—Public assistance.
 Aidit, Dja'far N., Aidit's flight following Sept. 30 movement in Indonesia, 12679
 Aids to navigation, see Navigation.
 Air:
 aerial dispersal of pink bollworm in U.S. and Mexico, 5678
 breathing in flight, the higher you fly the less air in the sky, 8920
 bubbles, properties at air/sea interface, influence of surface-active material, 17088

Air—Continued
 clear, turbulence in, near thunderstorms, 6222
 current velocities, electronic-mechanical method of measuring, USSR study, 1178
 differential energy and angle spectra for Cs-137 gamma rays, 13326
 embolism, cerebral, basic studies, 12793
 equilibrium composition, equations for rapid machine computation, and derivatives for flow-field calculations, 16373
 equilibrium dissociating, stagnation-point boundary layer with suction and injection, 8499
 pressures and forces on flare-stabilized bodies in air and in mixture of 85-percent CO₂ and 15-percent air, 17011
 sound absorption versus humidity and temperature, 6707
 supersonic mixing of hydrogen and air, 9807
 velocity measurements, evaluation of smoke-wire technique, 10293
 wash, grid-bar, effect on efficiency of lint cleaners and fiber quality of cotton, 14759
 see also Air pollution—Atmosphere.
 Air almanacs, see Almanacs.
 Air bases:
 management of bi-value aeronautical parts by Pacific Air Forces bases, GAO report, 8133
 planning and design, theater of operations, Air Force manual, 1727
 Air bearings, see Bearings (machinery).
 Air blasts, multiple row charge blast wave observations at long range, 1798
 Air cargo comes to smaller community, 17447
 Air cargo workshop, Regional, see Regional air cargo workshop (periodical).
 Air carriers:
 air taxi operators—
 and commercial operators of small aircraft, Federal aviation regulations, 12498, 14008
 scheduled as of Nov. 1966, statistics, 9446
 air transport—
 California strawberries, factors affecting market quality, 1966 spring shipments, 1704
 industry and subsidy policy (talk), 7519
 services, agreement with—
 Agency for Safety of Air Navigation in Africa and Madagascar (ASECNA).
 Denmark, 7153
 Great Britain, 7152
 Panama, 15782
 Sweden, 8724
 air transportation system—
 CAB's duty and authority as to proper application of subsidy (remarks), 8971
 CAB's responsibilities (remarks), 1899
 air-truck coordination and competition, 11231
 airfreight rates, introduction, 16047
 analytical charts and summaries, including supplemental air carrier statistics, 3005
 cargo services for smaller community (remarks), 17447
 certificated—
 accounts and reports, uniform system, 3993, 8972, 13419
 local service, U.S. transportation system routes, map, 4375
 route, airport activity statistics, 7517, 16547
 subsidy, 1901
 trunkline, U.S. transportation system routes, map, 4376
 U.S. cargo, domestic, international, and overseas routes, map, 4377

INDEX 1967

Air carriers—Continued

certification and operations, Federal aviation regulations, 2237, 14007, 16556
 challenge of jet age (remarks), 13420
 district offices, standard procedure for uniform reporting, handbook, 14012
 efficient surface transportation and air cargo services (remarks), 5911
 financial statistics—
 quarterly and 12-month, 3006
 supplement, 3005
 flight engineer, written examination guide, 2282
 foreign routes, to U.S., authorized under permit, map—
 Eastern Hemisphere countries, 4373
 Western Hemisphere countries, 4374
 international and overseas routes, map, 4372
 international transportation, unification of rules, convention amendments, withdrawal of treaty, text, 15064
 labor dispute, settlement—
 hearings, 959
 report, 874
 local service, unit costs, 1897, 13418
 maintenance certification procedures, FAA handbook, 10981
 marvels and problems of air transportation (remarks), 1900
 military, freight preparation for air shipment, DSA manual, 17692
 passengers originating at cities on local service routes, letter to mayors, 3937
 regional air cargo workshop (periodical), 3813
 scheduled, with helicopters, certification and operations, Federal aviation regulations, 6240, 12497
 service personnel on authorized leave, accommodations of commercial carriers, subcommittee report, 4325
 shadow box optical landing system, 11680
 small business role in air transportation industry, report, 4511
 traffic statistics—
 monthly and 12-month, 3007
 supplement, 3005
 transportation of dangerous articles and magnetized materials, Federal aviation regulations, 10998-999
 transportation industry, present traffic and profits to serve public need (address), 17445
 United States carriers, lists, 5909, 13417
 Air Cleaning Conference, AEC, Boston, Mass., Sept. 13-16, 1966, proceedings, 12004
 Air commerce, *see* Aeronautics.
 Air compressors, *see* Compressors.
 Air conditioning:
 equipment—
 current industrial reports, 5853
 Federal Item Identification guides for supply cataloging, supplements, 3288
 Air crews, *see* Flight crews.
 Air-cured tobacco, *see* Tobacco.
 Air cushion vehicles, lightweight fans, structural design techniques, 117
 Air drop operations, airdrop of supplies and equipment, Army technical manuals, 112, 1771, 4217, 7398-99, 8887-89, 10280-281, 13303, 15949-952
 Air elutriation, *see* Elutriation.
 Air Force:
 Air Force civil engineer (periodical), 3008
 Air Force Systems Command, general information, 14783, 17364
 Air Force writing (periodical), 3010
 air navigation, general information for navigators, etc., manual, 1724
 Air Staff, organization chart, 3012
 airman, official magazine of Air Force, 3019
 airmen—
 occupational handbook, manual for guidance counselors, 15902

Air Force—Continued

airmen—continued
 qualifying examination, comparison with differential aptitude tests, errata, 4171
 Base procurement mechanization system, manual, 10211
 benefits for dependents and survivors of Air Force casualties, personal affairs pamphlet, 13259
 career opportunities, jobs that count, 10223
 Chief of Staff, appointment, etc.—
 law, 12164
 report, 10611
 communications officers, job types, 15892
 comptroller (periodical), 15879
 depot, field, and organizational maintenance, management, manual, change, 14767
 depth perception tests, stereoscopic angle relationship, 70
 drill and ceremonies, manual, 8851
 driver, automotive magazine, 11949
 employment of military retirees as civilians, law, 5697
 enlisted members, computing retired pay, report, 16270
 enlistees, dental caries status, 7353
 field press censorship, manual, 13293
 food service management, manual, 8857
 hearing survey of flying personnel, 17356
 instructors journal, 4011
 job analysis, impact of computer, 13268
 libraries, buying calendar for annual publications, 8859
 materiel, validity and controls over large volume of unfilled orders, GAO review, 17813
 military standard, digital computer systems for real-time training simulators, 9373
 of flight and bold men, 5704
 officers—
 grade requirements project, Criterion Board ratings, predicting, 15891
 position evaluation, development of benchmark scales, 5705
 qualifying test, relationship of scores to success in undergraduate pilot and navigator training, 13267
 Pacific bases, management of hi-value aeronautical parts, GAO report, 8133
 Pacific, PACAF basic bibliographies, 4169, 7338, 8866-67, 10227-230, 11950, 13266
 personnel, automobile accidents, prediction, 17344
 procurement instruction, revisions, 3009
 Project LITE (legal information through electronics), management, hearing, 15034
 register—
 departmental edition, 5699-5700
 document edition, 5983-84
 research and development procurement—
 contracting, officers' handbook, 13260
 laboratory policies and practices for procurement management, pamphlet, 13261
 research resumés, 15888
 science and Air Force, history of AFOSR, 7335
 Scientific Advisory Board, first 20 years, 11969
 scientific research 1960, bibliography, 7304
 sites, engineering weather data for heating, air conditioning design, etc., 11947
 tactical air operations—
 and readiness, subcommittee report, 2106
 southeast Asia, report, 10813
 USSR, test airfield, 16738
 weather forecaster proficiency, test correlates, 8863

Air Force Academy, Colo.:
cadets, class of 1967, predicting 1st year achievement, 17343
catalog, 10208
general and engineering geology of site, 11179
ground water supply relative to geology, engineering, etc., 11179
permitting persons from countries friendly to U.S. to receive instruction—
law, 506
report, 692
special bibliography series, 5689, 10206-207
Air Force Cambridge Research Laboratories:
AFCRL series, 4153
geophysics and space data bulletin, 3377
Air Force Department:
Aerospace Research Office monograph series, 15890
aerospace vehicles, information handbook, 15882
AFCRL series, 4153
AFOSR series, 7304, 14766, 15878
Air Force manuals, 55-61, 1724-29, 4155-65, 5690-95, 7305-15, 8850-57, 10208-221, 11946-947, 13254-256, 14767-768, 15880
Air Force pamphlets, 5696-98, 7316-17, 8858-59, 11948, 13257-259, 15881-882, 17338
annual report, 2149
appropriations, 1968, military construction, hearings, 16305
Assistant Secretary, nomination of Thomas H. Nielson, hearings, 17639
cancellation of grazing permits, compensate claimants, 4576
communication facilities between Alaska and U.S. mainland, economical use, GAO report, 15301
ESD technical reports, 62-65, 4166, 8861-64, 13262
lunar charts and mosaic series, 4167-68, 7319-33, 8865, 10224-226, 13263, 15886-887
management of hi-valu aeronautical parts by Pacific Air Forces bases, GAO report, 8133
OAR series, 7335-37, 15888-889, 17342
Personnel Research Laboratory, technical reports, 4170-72, 5705, 7339, 11951-952, 13267-268, 15891-893, 17343-345
procurement of missile fuel from sole-source supplier, GAO review, 9551
Under Secretary, nomination of Townsend Hoopes, hearing, 15149
validity and controls over large volume of unfilled orders for Air Force materiel, GAO review, 17813
Air Force Installations, *see* Installations (military).
Air Force Medical Service:
annual report, 8870
digest, 3994
Air Force Office of Scientific Research:
AFOSR series, 7304, 14766, 15878
history, 7335
research, program and summary of accomplishments, 15878
Air Force Reserve, air reservist (periodical), 3011
Air Force ROTC, *see* Reserve Officers Training Corps, Air Force.
Air Force supplies, *see* Military supplies.
Air Force Systems Command:
general information, 14783, 17364
manuals, 5701-2
pamphlets, 10222, 13260-261
procurement, work statement preparation, manual, 5701
systems acquisition, guide for effective change processing, 10222
Air frames, *see* Airframes.
Air freight forwarders, *see* Freight forwarders.

Air inlets (aircraft):
axial-flow-compressor-inlet stages under high loading, aspect ratio and curvature variations, 9916
choked, flow characteristics for turbojet engine, 11499
convergence nozzles, with uncooled pipe inlets, heat transfer investigation, 17005
perforations in jet engine supersonic inlet increase shock stability, 2655
rotor-inlet flow conditions, control by guide vanes, 5275
supersonic mixed-compression, analysis of bypass air control system, 12946
supersonic transport inlet sensitivity study, 8496
Air jets, model, influence of upstream flow discontinuities on acoustic power radiated, 6714
Air lines, *see* Air carriers.
Air mail:
Armed Forces, provide additional mailing privileges—
hearings, 10670
report, 10613
Hawaii, transport of all classes of mail by air, hearing, 9166
international 13-cent postal card, 14607
oversens Armed Forces, provide better service, law, 438
13-cent John F. Kennedy aerogramme (poster), 10025
Air mass:
microorganisms—
in 2 types of air masses at 690 meters over a city, 66
of land air mass as it traverses ocean, 68
Air National Guard, *see* National Guard.
Air navigation:
Air Force manual, 1724
facilities—
interagency ground inspection manual, 16559
non-Federal, FAA regulations, 14011
outage and equipment failure report, FAA handbook, 10983
rules governing, FAA regulations, 11004
flying training, Air Force manual, 13254
Iceland, joint financing of services, agreement with other governments, 7158
navigable airspace, objects affecting, Federal aviation regulations, 15238
navigator (periodical), 3612
pictorial display in instrument departures of supersonic transport, simulator study, 12944
Air Navigation in Africa and Madagascar, Agency for Safety of, *see* Safety of Air Navigation in Africa and Madagascar Agency.
Air pilots, *see* Aviators.
Air pollution:
Air Cleaning Conference, AEC, Boston, Mass., Sept. 12-16, 1966, proceedings, 12004
air quality—
act—
address, 8640
hearings, 10871, 12426, 15043
reports, 13821, 16286
criteria for sulfur oxides, 11715
data, from national air sampling networks, etc., 8624
management, case study of St. Louis air pollution basin (paper), 11716
automobile and air pollution, program for progress, 17470
automotive—
problems and progress associated with control, hearings, 10871
report of HEW to Congress, 761, 6056, 16348
print as Senate document, reports, 6083, 15142
bibliography, 2805

INDEX 1967

- Air pollution—Continued
carbon-bearing contaminants, models for analysis of radiation behind shock waves, 9905
clean air—
for your community, problems, solutions, etc., 2809, 11722
plan, Greenspan grants, general information, 5672
clean air act, amendments—
Dec. 17, 1963, text, 5425
hearings, 12426, 13556, 15043
law, 393
reports, 13821, 16286
community air pollution emissions, rapid survey technique for estimating, 7062
control—
bulletin of courses, 18153
Federal role (address), 13072
from automotive vehicles, Federal standard, 6324
now for clean air, national conference proceedings, summary, 14620
programs, appropriations, authorize, law, 393
State and local programs, 2838
controlling devices and laws necessary (remarks), 5446
District of Columbia, problems, hearings, 10829, 16318, 16406
effects, 5427, 5441, 13071
emissions from tepee burners used for municipal refuse disposal, 1572
environmental health series, 1572, 5428, 7062-63
environmental pollution, challenge to science and technology, report, 2057
Federal program, 5431
films on loan for group showing, list, 13075
flame characteristics, production of nitrogen oxides and carbon monoxide, 5378
impact of pollution abatement regulations on industry and municipalities (address), 1580
industry's responsibility in controlling (address), 5436
Interstate study, phase 2 project reports, 5438-42, 11739
laws, compilation, 4547
meteorology and topography, result of surveys, 11739
metropolitan planning program relationships to air resource management, 13044
microorganisms—
in 2 types of air masses at 690 meters over a city, 66
of land air mass as it traverses ocean, 68
national sample, 1596
nitric acid manufacturing processes, emissions, 5428
no laughing matter, cartoonist focuses on air pollution, 5439
orders, results of surveys, 5440
pollutant emission inventory, 5439
pollution of our air, problems, message from the President, 5992
relationship between—
altitude and micropollution, 1733
frontal activity and micropollution at altitude, 1732
research, projects 1966, guide, 2813
resource management program for south-western Ohio-northern Kentucky, survey, 11717
sources, and their control, 2837
State laws, digest, 1564
studies, progress report of Organic Chemistry Section, 18081
take 3 giant steps to clean air, 2821, 11731
today and tomorrow, 2840
training programs, courses offered at universities and Division of Air Pollution, 2806
- Air pollution—Continued
vehicle emissions, control progress (address), 2836
West Virginia, climatological aspects, 6219
Air Pollution Control Advisory Council of D.C., create, hearings, 16406
Air Pollution Control Board of D.C., create, hearings, 16406
Air Pollution Control, National Center, see National Center for Air Pollution Control
Air Pollution, National Conference on, see National Conference on Air Pollution
Air purification equipment, industrial plant equipment handbook, 4674
Air Quality Advisory Board:
establish—
hearings, 10871, 12426, 15043
reports, 16256
Air raids:
North Vietnam, bombings of civilians by U.S., reports by pro-Communist eyewitnesses, 4955
use of plotters in East German air defense system, 2437
Air reservist (periodical), 3011
Air routes, see Airways
Air safety, see Safety of life
Air samplers:
automatic sampler for collecting radio-active particulates in ground level air, 1758
cleanroom, counts, categorizes, and records particle size, 14409
instrumentation for isokinetic air sampling at altitude, 67
Air service, see Aeronautics—Air carriers
Air speed:
hypersonic aerodynamics of minimum-wave-drag bodies, etc.—
characteristics, 16971
performance, 1515, 12068
maneuver speed increases on SST configuration in relation to speed margins, simulator investigation, 16972
pitch maneuver speed margins for supersonic transport configuration with variable-sweep wing, investigation, 17000
radiative heat transfer for large objects at meteoric speeds, 12954
Air taxi operators, see Air carriers
Air terminals, see Terminals (transportation)
Air traffic:
activity—
FAA report—
1966, calendar year, 6235
1966, fiscal year, 1037
1967, fiscal year, 16350
miscellaneous statistics, 7952
air carrier statistics—
monthly and 12-month, 3007
supplement, 3005
control—
contractions used by FAA, etc., handbook, changes, 5776, 12273
en route, 13274, 14784
facility operation, 7371
interagency ground inspection manual, 16359
procedures, changes, 3013
terminal, 18276, 14785
facility outage and equipment failure report, FAA handbook, 10943
navigable airspace, objects affecting, Federal aviation regulations, 10994, 13278
patterns for IFR and VFR aviation, 17740
special rules and airport traffic patterns, Federal aviation regulations, 10996, 16355
Air traffic controllers:
center, tower, station, control specialists, examination announcement, 16064
performance tasks for operator-skills research, 1821

Air Traffic Service:
 service A weather schedules, ATS handbook, changes, 5717, 11971
 service C, weather schedules, 1746 change, 11972
 Air transportation, see Aeronautics—Air carriers—Transportation.
 Air-truck coordination and competition, 11231
 Air University Library, index to military periodicals, 3014
 Air University review, 2015
 Air warfare:
 air war against North Vietnam, hearings, 16394
 USSR air defense troops, 6569
 Air Weather Service, technical reports, 7318, 8860, 15883-884, 17329
 Airborne Tactical Data Center Training, combat team training, 18109
 Aircraft:
 aircraft and aircraft engines, current industrial reports, 3169, 13389
 aircraft and equipment, transfer, agreement with Saudi Arabia, 2026
 aircraft specifications, consolidated reprint, 15236
 airworthiness—
 FAA directive (periodical), 9438
 FAA directives, biweekly, 3256
 alterations, acceptable methods, techniques, and practices, 2981
 changes, 9521, 16638
 and birds, Midway Islands, 1959-63 investigations, 4809
 Army—
 air transport operations, 11986
 aviation maintenance engineering manuals, 4218, 7400, 10282
 fixed wing cargo, restraint design criteria, analysis, 10289
 maintenance quality control and technical inspection guide, technical manual, 8893
 C-47 aircraft, agreement with Mall, 11873
 certification procedures for products and parts, Federal aviation regulations, 6238, 10987-988
 civil aircraft registers, 7953, 17749
 civil, technical standard order authorizations, FAA regulations, 9443, 17744
 Coast Guard, authorization for procurement—
 hearings, 7752, 10827
 law, 13524
 reports, 10556, 12378
 COIN-type STOL, flight investigation, 15572
 components and accessories, Federal item identification guides for supply cataloging, supplements, 3293
 control, master data handling program uses automatic data input, 16940
 data for airplanes in common use in civil fleet, airport design, change, 13999
 data, thunderstorm circulations and turbulence studies, 10066
 DeHavilland, damping behavior of stem booms, 11539
 Douglas DC-6/7 series, maintenance inspection notes, 17747
 emergency procedures over water, 2016
 environments, respiration rate transducers, development, 18044
 fabrication techniques for fiber glass reinforced primary aircraft structures, 4222
 Federal item identification guides for supply cataloging, supplements, 3293
 fire and rescue truck, 1000-gallon, guide specification, 10246
 flight testing, theoretical principles and modern methods, 8509
 flotation of passenger seat cushions, 137
 fuels and fuel systems, Coordinating Research Council handbook, 11624

Aircraft—Continued
 general aviation—
 handling qualities, evaluation, 1514
 shoulder restraint installation, recommendations, 7446
 general operating and flight rules, Federal aviation regulations, 1041, 2236
 hardware and materials, Army aviation maintenance engineering manual, 8892
 icing, climatological probability, 7318
 inspection aids, general aviation, 3373
 summary, 15269
 inspection and repair, acceptable methods, techniques, and practices, 2982
 jet, wide-angle, indirect optical viewing system, 1497
 large airworthiness directives, summaries, 3917, 12502, 17748
 large, commercial operators, certification and operations, Federal aviation regulations, 2237, 14007, 16556
 light-aircraft pilots, non-instrument-qualified, performance during instrument flight, simple stability augmentation system, effects, 11519
 light, fluid flight path control system, study, 16890
 Mach 6 cruise vehicles, integration of airframe and propulsion system, 18010
 maintenance—
 certification procedures, FAA handbook, 10981
 tools, Army technical manual, 4218
 Marine Corps, 1913-65, utilization, 17905
 military—
 aircrew station vision requirements, military standard, 16470
 flight manuals, prototype specification development, 2784
 transportation of dangerous materials, Air Force manual, change, 13255
 military procurement appropriations, 1967—
 report, 2014
 supplemental—
 hearings, 6031, 7799
 law, 9035
 reports, 6087, 7665, 7667, 7673
 military procurement appropriations, 1968—
 hearings, 7797, 9149
 law, 12164
 reports, 7786, 10570, 10575, 10611
 model, pitching moments caused by tail, equations for application of wind-tunnel wall corrections, 2715
 noise—
 insulating houses, study, 14188
 multiengine jet transport, noise-abatement approach profiles, NASA research, 12956
 propagation of sound from airport ground operations, 11404
 references, 4753
 optimum body shapes at hypersonic speeds, studies, 18024
 oxygen mask designs for general aviation, performance characteristics, 17412
 Paris Air Show—
 news fillers, 8225
 newsletter, 8226
 passenger-seat-system response to impulsive loads, 17388
 pressurized, small, potential decompression hazards, evaluation, 17414
 Princeton dynamic model track, general description, 7409
 production, miscellaneous statistics, 7952
 registration, Federal aviation regulations, 10990, 15237, 17746
 repair parts, Army Dept. management at depots in U.S., GAO review, 9355
 restraint systems, functional comparison, 17413
 shop practices, Army technical manual, 7400

Aircraft—Continued

slender wing-body combinations exhibiting leading-edge separation, aerodynamics, theoretical investigation, 8415
small, air taxi operators and commercial operators, Federal aviation regulations, 12498, 14008

small, airworthiness directives, summary, 3918, 11007, 16562
structures, fatigue, 17062

supersonic—

human operator response speed, etc., review, analysis and device demonstration, 16904

jets, prediction of near field noise, 14400
transport, high-energy fuels for reserves, 11532

supplemental type certificates, 3921

time-lapse photography, using for cloud measurements, 10967

titles and security documents, recording, Federal aviation regulations, 7948, 14004

transport—

gas-turbine units, friction and leakage losses in blade-rings, 5277

simulator and flight study of yaw coupling in turning maneuvers, 11494

V/STOL concepts, feasibility for short haul, study, 5171, 12851, 16920

type certificate data sheets and specifications, 3018, 12487

United States—

civil, census, Dec. 31, 1965, 16549

Navy aircraft, lithographs, 11650

V/STOL—

height control requirements for hovering and low speed flight under visual conditions, 11524

longitudinal aerodynamic characteristics in ground effect of large-scale model with tilting ducted fans arranged in dual tandem configuration, 18045

tilting wing configuration with left- and right-hand rotating of propeller, aerodynamic data, 6855

tilting wing, large semispan, with 0.5-diameter chord, etc., aerodynamic data, 9879

variable-stability transport influence of response feedback loops on lateral-directional dynamics, 11516

VTOL—

flight patterns, medico-physiological incidences on pilot, 11563

free stream interference effects on effectiveness of control jets near wing tip of model, 14478

jet-ejector system for lift augmentation, wind-tunnel investigation, 2706

models in wind tunnels with 7 by 10 proportions, tables of interference factors for use in correcting data, 9825

wing body combinations, cranked leading edge, aerodynamic characteristics, 18039

XV-9A hot cycle research, 20-hour follow-on flight program, summary report, 7410

see also Air carriers—Airplanes—Fighter planes—Flight—Landing (aircraft)—Sonic boom—Spacecraft—Stall (aircraft)—also names of aircraft parts, e.g. Propellers.

Aircraft accidents:

civil aviation—

briefs (periodical), 7518, 13014

summary reports (periodical), 3923

crash protection padding materials, evaluation of various types, 5803

crash survival design guide, 13509

emergency evacuation tests of crashed L-1649, 10321

firefighting and rescue vehicles, engineering observations, 9999

Aircraft accidents—Continued

full-scale fire modeling test studies of light water and protein type foams, 17092

general aviation, small fixed-wing aircraft, briefs (periodical), 3063

impairment of airmanship by alcohol, 4251

incident investigation and reporting, FAA handbook, 4755

injury potentials of light-aircraft instrument panels, 1820

investigation reports, 4369-70, 10404, 17059-60

low-level operational hazards, 4223

smoke hood to protect passenger, aviation medical report, 14812

stall barrier as new preventive, 1823

visual illusions, 11958

Aircraft carriers:

altitude rate command system for aircraft landings, 9997

outfitting, procurement of spare aircraft parts, potential savings, Navy Dept., GAO report, 8136

Aircraft engines, see Engines (aircraft).

Aircraft repair station, Federal aviation regulations, 9444

Aircrew station vision requirements for military aircraft, 16470

Aircrews, see Flight crews.

Airdrop operations, see Air drop operations. Airfields, see Aviation fields—Heliports—Pavements.

Airfoils:

circulation control, by means of jets, investigation, 7408

leading edge heat transfer, effects of shock-wave impingement, 6896

static 2-dimensional data, comparison with chordwise pressure distributions measured in flight on helicopter rotor blade, 11502

Airframes:

integration with propulsion-system for Mach 6 cruise vehicles, 18010

structural components, Federal item identification guides for supply cataloging, supplements, 3293

Airlift, see Transportation.

Airlines, see Air carriers.

Airmen:

airman jobs, merited grade versus merited pay rankings, 7339

airman's information manuals, 93, 3020-23, 10976-978

international notams, 3437

job-satisfaction, follow-up survey, 10241

jobs, comparison of merited grade and skill level ratings, 4172

maintenance certification procedures, FAA handbook, 10981

miscellaneous statistics, 7952

occupational handbook, manual for guidance counselors, 15902

other than flight crewmembers, certification, Federal aviation regulations, 2235, 10993

Pacific airman's guide and chart supplement (periodical), 3668, 12500

performance in administrative career ladder, describing by identifying patterns of trait ratings, 11952

see also Aviators—Notice to airmen.

Airplane mechanics, see Mechanics (persons).

Airplanes:

airworthiness standards—

normal, utility and acrobatic category.

Federal aviation regulations, 12490-491, 14002

transport categories, Federal aviation regulations, 2234, 12492, 16551-552

aspect-ratio-6 conical parawing utility model, flight characteristics, wind tunnel investigation, 5229

Airplanes—Continued

bomber training operations in Chicago area, sonic-boom measurements, 1481
 cargo-type models, sting-support interference on aerodynamic characteristics, 12938
 export airworthiness approval procedures, 8044
 external-store separation characteristics, NASA data, summary, 2686
 4-propeller tilt-wing configuration, ground effects over fixed and moving ground plane, 11504
 general aviation, category 2 operations, 17742
 general operating and flight rules, Federal aviation regulations, 7951, 10995, 12495-496, 14006
 general purpose airborne simulator, 5161
 jet fuel anti-icing additive, effects on fuel tank linings, final report, 9991
 jet transport, handling qualities and airworthiness criteria during takeoff, research simulator for investigating, validation, 1476
 landing loads on vehicle with tricycle landing gear, theoretical dynamic analysis, 14472
 noise measurement evaluations of various take-off/climbout profiles of 4-engine turbojet transport, 2699
 sailing concept model, aerodynamic characteristics, full-scale investigation, 14465
 STOL, directional augmentation for 4-propellered transport, flight and simulator study, 9890
 supersonic fighter-bomber model, with external fuel tanks and other modifications, transonic aerodynamic characteristics, 1505
 supersonic transport—
 configuration, maneuver speed increases in relation to speed margins, simulator investigation, 16972
 configuration with variable-sweep wing, pitch maneuver speed margins, investigation, 17000
 environment, fatigue behavior of simulated wing structure, 16905
 inlet sensitivity study, 8496
 jet in-flight simulation to determine flight characteristics during landing approach, 12926
 model with highly swept arrow wing, low subsonic flight and force investigation, 12924
 pictorial navigation display in instrument departures, simulator study, 12944
 transport—
 cruising at Mach number 3, dynamic stability and control characteristics, errata, 14447
 model, using blowing over flaps for boundary-layer control, investigation over moving ground plane, 14477
 subsonic with aft engine nacelles and high tail, large-scale wind-tunnel tests, 5268
 two turbojet, effects of aft-fuselage-mounted nacelles on subsonic longitudinal aerodynamic characteristics, 2730
 V/STOL—
 aerodynamic data on—
 large-scale semispan tilt-wing configuration, 15557
 large tilting wing, etc., in presence of fuselage, 1485
 transport model, with lift and lift-cruise fans, aerodynamic characteristics, 14484
 wing-body configurations, canard controls, hypersonic aerodynamic characteristics, 2707

Airplanes—Continued

wings and wing-body combinations in supersonic flow, integrated approach to analysis and design, 1493
 X-15—
 landing contact conditions, statistical analysis, 5271
 operation and cost experience as reusable space vehicle, 2711
 vertical-scale, fixed index instrument display panel evaluation, 9918
 X-15-2 research, ablative heat shield materials, arc-tunnel evaluation, 5238
 XB-70—
 encounters with high-altitude turbulence, preliminary evaluation, 18038
 landing-contact conditions, statistical analysis, 11548
 XV-11A, description and preliminary flight test, 11997
see also Aircraft.
Airports:
 activity statistics of certificated route air carriers, 7517, 16547
 alleviating congestion at major metropolitan centers (address), 17446
 America's airport beautification awards program, 17741
 aviation demand and airport facility requirement forecasts through 1980 for large air transportation hubs, 15904
 design, aircraft data, change, 13999
 directory, airman's information manual, 93, 3021, 10977
 economy approach lighting aids, 10245
 Federal aid program, Federal aviation regulations, 4759, 14009, 16557
 Federal participation in cost of projects involving donated land, GAO review, 15300
 ground operations, propagation of sound, 11404
 influence on community economy, 14786
 location identifiers, handbook, 3524, 11970
 national airport plan, capacity criteria, 4190
 national parks, etc., authorization, increase, law, 467
 national plan, 8871
 problems of over-saturation and underutilization (address), 17446
 public, acquisition of U.S. land, Federal aviation regulations, 14010
 utility, design criteria and dimensional standards, 14014
see also Air traffic—Pavements—also names of places where located.
 Airsickness, *see* Motion sickness.
 Airspace utilization, *see* Air traffic.
 Airspaces (streets, highways, etc.):
 use of air space in District of Columbia, authorize leases, hearings, 16407, 17598
Airways:
 Alaska, routes, certificated, map, 4371
 domestic, international and overseas routes for U.S. certificated cargo carriers, map, 4377
 international and overseas routes, map, 4372
 navigable airspace, objects affecting, Federal aviation regulations, 10994, 15238
 routes to U.S. authorized to foreign air carriers under permit, maps—
 Eastern Hemisphere countries, 4373
 Western Hemisphere countries, 4374
 U.S. transportation system routes certificated local, maps—
 service carriers, 4375
 trunkline carriers, 4376
 Airworthiness, *see* Aircraft—Airplanes—Engines (aircraft)—Propellers—Rotorcraft.
 Aisenberg, S., plasma boundary interactions, 15512
 Aitkin County, Minn., rural county cares for its aging, 4082

INDEX 1967

- Akademik S. Vavilov (USSR ship):
expedition to Red and Mediterranean
Seas, results, 15352
- Akamine, E. K., dosimetry, tolerance, and
shelf life extension related to disinfection
of fruits and vegetables by gamma
irradiation, 5794
- Akre, Philip R., multifocal premature con-
tractions, ECG finding of grave signifi-
cance, 15897
- Akron, Ohio, area wage survey, 17892
- Alabama:
bromide and iodide in oilfield brines in
some Tertiary and Cretaceous forma-
tions, 11385
census of agriculture, 1964, State and
county statistics, 8963
census of manufactures, 1963, area
statistics, 152
census of mineral industries, 1963, area
statistics, 5821
climatological data, 3096
coast, hurricane survey, engineer report—
departmental edition, 10948
document edition, 10507
county business patterns, 4306, 12042,
17425
crayfish from caves, 17050
electric rate book, 4772
landings, fish and shellfish, 3024, 16616
mineral industry, minerals yearbook
chapter, 2548
northeastern, bauxite and clay deposits,
2357
postal map, 15649
precipitation data, hourly, 3401
salt domes, survey, 2541
welfare funds cutoff, hearings, 6096
- Alabama River, Millers Ferry Lock and
Dam, navigation conditions, hydraulic
model investigation, 10961
- Alaka, M. A., experiment in use of balance
equation in tropics, 9429
- Alameda County, Calif.:
land conveyance to—
hearings, 16303
law, 17539
reports, 13669, 15128
- Alanines, energy dependence of free radical
production, 1744
- Alarm systems:
Federal item identification guides for
supply cataloging, supplements, 3289
multiple meter monitoring circuits served
by single alarm, 17980
- Alaskan Desert, geographical study, 2434
- Alaska:
air carrier routes, map, 4372
allow use of British Columbia ferries for
Alaska-bound cargo, hearing, 13851
Cenozoic pectinids, 11180
census of agriculture, 1964, State and
county statistics, 14838
census of mineral industries, 1963, area
statistics, 4280
certificated air routes, map, 4371
climatological data, 3096
coal resources, 8157
Cape Lisburne-Colville River region,
15306
coast pilot, Pacific and Arctic Coasts,
Cape Spencer to Beaufort Sea, supple-
ment, 5945
coastal warning facilities chart, 14717
communication facilities between Alaska
and U.S. mainland, economical use, Air
Force Dept., GAO report, 15301
county business patterns, 168, 12043
Cretaceous ammonites from Matanuska
Formation, 8170
destructive forest insects, identification,
14085
dietary survey, 14623
earthquake, 1964—
and aftershocks, Prince William Sound,
research studies, 12117
- Alaska—Continued
earthquake, 1964—continued
effects on—
communities (series), 11175-176
Eklutna hydroelectric project, An-
chorage, Alaska, 6402
glaciers, 11178
hydrologic regimen (series), 1122-23,
11177-178
south-central, air and water trans-
port, communications, and utilities
systems, 12609
transportation, communications, and
utilities (series), 6402, 12609
field investigations and reconstruction
effort, 8169
geologic setting and effects, summary
description, 8169
horizontal and vertical crustal move-
ment in Prince William Sound, 5940
regional effects (series), 1121, 2370-71
east-central—
Cambrian and Ordovician rocks, stratig-
raphy, 6404
lower Paleozoic paleontology and stratig-
raphy of east-central Alaska (series),
6404
economic development, report, 1939
electric rate book, 11018
fisheries, 1965, annual summary, 9512
glimpse at history and the future (re-
marks), 10904
housing legislation, law, 465
Indian and native health program,
nurses, examination announcement,
10436
Indians, Eskimos, and Aleuts, general in-
formation, 2389
Iniskin-Tuxedni region, geology, 8163
interior—
photo identification guide for land and
forest types, 15287
trees, specific gravity of increment cores,
4835
long-lines communication facilities, Gov-
ernment-owned, disposal—
hearings, 16307
reports, 10747, 16262
long range economic planning, authorize
funds—
law, 14913
reports, 12375, 13679
migratory birds, Federal regulations gov-
erning hunting, etc., 14061
military personnel of U.S. Army ordered
to, helpful hints, 8882
mineral and water resources, print addi-
tional copies, report, 13651
mineral industry, minerals yearbook
chapter, 5108
Mount Fairplay area, geology, 12599
natives, dental services—
1966, annual report, 2810
1967, annual report, 18159
natural resources, 1139
and Rampart project, 12636
nautical chart catalog, 216
northern, naval petroleum reserve no. 4
and adjacent areas, exploration (series),
8159
northwestern—
areal geology of Chariot site, 8162
Project Chariot, potential effects on lo-
cal water supplies, 2369
nursing home care for veterans, eliminate
certain requirements, report, 6007
omnibus act, semiannual report on earth-
quake reconstruction activities, 9058,
16159
place names, dictionary, 14174
public lands, Taylor grazing act exchange
authority to apply to Alaska, report,
875

- Alaska—Continued
purchase, 8-cent commemorative air mail postage stamp (poster), 7040
snow surveys, 3317
southeastern—
DDT effects on ecology of salmon streams, 8040
effects of slash burning on conifer regeneration, 4834
recent Foraminifera, 12614
transportation of merchandise in part over Canadian highways, exempt from Merchant marine act, report, 15107
stratigraphy of Keku Islets, Kulu Island, and Kupreanof Islands, 12600
Tertiary plants from Cook Inlet region, 2365
trade study, 15243
USDA programs, etc., and their application to Alaska (address), 25
White Mountain mercury deposit, investigations, 6877
- Alaska Agricultural Experiment Station: transfer to University of Alaska—law, 866
report, 660
- Alaska, Field Committee for Development Planning in, *see* Federal Field Committee for Development Planning in Alaska.
- Alaska, Gulf of, recent Foraminifera, 12614
- Alaska, Highway, appropriation for construction, reconstruction, etc., hearings, 17673
- Albania:
background notes, 11814
capsule facts for Armed Forces, 15913
press information report, 3701
- Albany, N.Y., area wage survey, 12772
- Albany Metallurgy Research Center, metallurgical progress reports, 1807, 5795
- Albedo, planetary, effect on solar orientation of spacecraft, 16985
- Alberg, Mary, differential energy and angle spectra for Cs-137 gamma rays in water and air, 13226
- Albers, John P., mineral resources of California, 2124
- Albin, Donald R., water resources of Jackson and Independence Counties, Ark., 14181
- Albo Maya, Jacobo, relief, 560
- Albumin:
change in normal human serum parameters during simulated altitude and aerospace flights, 8868
radiation, vascular and lymphatic absorption from lungs, 13269
- Albuquerque, N. Mex., area wage survey, 12770
- Alcocker, Julio F. D., *see* Dumas y Alcocker, Julio F., and wife.
- Alcohol:
denatured, distribution and use, code of Federal regulations, 8222
impairment of airmanship, 4251
industries, 1966, statistics, 6453
monohydric and polyhydric, transesterification of phosphites and phosphinites USSR study, 1210
see also Alcoholism.
- Alcohol and Tobacco Tax Division, available forms relating to activities of Division, description, 16720
- Alcoholic beverages, *see* Liquors.
- Alcoholism:
alcohol and alcoholism, 15675
alcohol education, conference proceedings, 8187
alcohol, fun or folly, illustrated pamphlet, 18104
prevention and treatment in District of Columbia, hearings, 13702
- Aleyonaria, *see* Corals.
- Aldehydes, common names, flash point, etc., technical reference, 9736
- Alder, Albert V., F-106B aircraft flashblindness experiment, 17349
- Alderman, Alice J., prescribed and non-prescribed medicine, type and use, etc., 18188
- Alentian Islands, nautical chart catalog, 216
- Alents:
Alaska, general information, 2389
dental health program, 11724
- Alexander, Allen L., chemical research in atmosphere purification and control on nuclear-powered submarines, 17084
- Alexander, Clifford L., jr., nomination, hearing, 17667
- Alexander, John A., composite materials for space vehicle application, 12861
- Alexander, Robert R.:
site indexes for lodgepole pine, with corrections for stand density—
instructions for field use, 2333
methodology, 14145
stocking of reproduction on spruce-fir clear-cuttings in Colorado, 2314
- Alexander, S. Kern, public school finance program, 17724
- Alexander, T. A., choriorretinal lesions by thermal radiation, 10231
- Alfalfa:
genetic traits in tetraploid and diploid, illustrated summary, 8849
pea aphids, how to control, 7274
screening and testing for resistance to alfalfa seed chalcid, procedures, 14732
technical alfalfa conference proceedings, 7
- Algae:
algal growth aqueous factors, selected biological references, 6328
combined propagation of unicellular algae and bacteria, Hungarian study, 12691
- Algebra:
college, study guide, 9363
Lie series, new method for numerical integration of ordinary differential equations, 9877
real linear algebras, characterizations, 6898
see also Matrices (mathematics).
- Algebraic methods for dynamic systems, 2600
- Alger, Donald, measurement of effective delayed neutron fraction for NASA Zero Power Reactor 1, 2694
- Algeria:
agricultural commodities, agreement, 2892
capsule facts for Armed Forces, 13284
labor conditions, 1364
mineral industry, minerals yearbook chapter, 2549
- Algesimeters, modified to provide accurate depth measurements, 6809
- Algonac Manufacturing Co., claim, 13586
- Algorithms, *see* Arithmetic.—Mathematics.
- Aliens:
code of Federal regulations, 7976
deportation suspension, reports, 15075-76
permanent residence, oppose granting to certain aliens, 615
- Alignment of inertial systems on moving base, 16976
- Alimentary canal, tumors of alimentary tract in Africans, symposium, 14622
- Alkali halides, perturbation times in alkali-halide systems, 9996
- Alkali metals:
dispersions, process for preparing, 6801
ultra pure, ultra pure transition elements in, solubility studies, 1424
- Alkyl compounds, selective inhibition of non-specific cholinesterase by some 0,0-diethyl-S-alkylthiophosphates, USSR study, 15402, 16733
- All hands, Naval Personnel Bureau career publication, 3025

All-Union:

- NOTE.—For headings beginning All-Union, see Union of Soviet Socialist Republics.
- Albright, Charles S., hydrogenation studies of distillate fuels, 12817
- Allegan, Mich., meteorite, composition, 18089
- Allegheny River and Valley, chemical quality of surface water in basin, Pa. and N.Y., 8180
- Allen, David B., address, June 22, 1967, 13047
- Allen, Edward P., free world production and trade in selected household appliances, 7573
- Allen, George, livestock-feed relationships, 1909-65, supplement, 1720
- Allen, Harry W., Bredin-Archbold-Smithsonian biological survey of Dominica, new species of *Tiphia*, 14540
- Allen, Jerry M., turbulent-boundary layer characteristics of pointed slender bodies of revolution at supersonic speeds, 18026
- Allen, Philip T., farm real-estate credit, analysis of borrowers and lenders, 2170
- Allentown, Pa., area wage survey, 11324
- Allergy, aviators, 14782
- Alliance for progress, see Latin America.
- Allied Forces in Europe, see North Atlantic Treaty Organization.
- Allied Health Professions Education Subcommittee of National Advisory Health Council, report, 14622
- Allison, Lewis J., synoptic world weather analysis of TIROS VII radiation data, 12922
- Allotments (Army), see Pay, allowances, etc.
- Allowances, see Pay, allowances, etc.
- Alloys:
- alloy 718, application in M-1 engine components, 12862
 - analysis procedures, 9985
 - biaxially stressed D43 alloy with refluxing potassium, compatibility, 11422
 - brazing, holds bonding strength over wide temperature range, 5207
 - composition determined by thermoelectric metal comparator, 8387
 - development, designs of experiments as telescoping sequences of blocks for optimum seeking, 14490
 - dispersion alloys, selected submicron powder blending methods, comparison, 6880
 - high temperature oxides, bonding, 10016
 - identification symbols, Communist China, 6547
 - oxide dispersion strengthened alloys, 17951
 - silver-base ternary alloy proves superior for slip ring lead wires, 5212
 - thermophysical properties—
 - 8 alloys, their constituents, and oxides, technical report, announcement and procurement information, 9798
 - investigation by torsion-effusion technique, 17924
 - see also names of metals, etc.
- Allred, James E., design and development of automatic indirect blood pressure monitoring device, 73
- Allsman, Paul L.: cement, 5098
- lime, 2546
- Alluisi, Earl A., code transformation task that provides performance measures of nonverbal mediation (Cotran), 16916
- Alluviums:
- Kern River, 1116
 - sediment transport in alluvial channels (series), 11181, 16695
- Alma-Ata, Kazakh SSR, dam construction, eyewitness report, 14244

Almanacs:

- air, 2767, 11626, 15621
- National Institutes of Health, 10055
- nautical—
- 1968, American ephemeris and nautical almanac, 2768
 - supplement, 6995
 - 1968 calendar year, 11627
- Almena unit, see Missouri River Basin project.
- Almost 65? here is important information for you, 5510
- from your pharmacist, 5509, 8688
- Alonso-Garcia, Armando J., relief, 9195
- Alosa sapidissima, see Shad.
- Alouette satellite, see Satellites.
- Alpendre Seisdedos, Manuel, relief, 12341, 16212, 17513
- Alpha particles:
- backscattering measurements used for chemical analysis of surfaces, 12840
 - breakup of deuterons, mechanism, 18032
 - (d, α) reaction on—
 - aluminum 27, 6852, 14448
 - fluorine 19 and nitrogen 15, interpretation, 9873
 - scandium 45, differential cross section, 16989
 - elastic and inelastic scattering from even tellurium isotopes, 11536
 - monoenergetic X-rays from alpha emitting isotopes, generation and use, 4234
- 9-alpha-fluorohydrocortisone, see Hydrocortisone.
- Alsina, Rita M. Garmendia de, see Garmendia de Alsina, Rita M.
- Altavista, Va., motor carrier accident, 6476
- Alternating currents, see Electricity.
- Alternatives to incarceration, studies in delinquency, 10135
- Alternators, see Electric generators.
- Altitude:
- accommodation, low doses of acetazolamide to aid men, 1736
 - dysbarism, treatment with oxygen under high pressure, 7367
 - effects on body compartments of rats, 10295
 - electrons at synchronous altitudes, trapped radiation environment models, 8437
 - elevation effects on rainfall near Hollis, Alaska, 16655
 - energy, nitrogen, and water requirements of normal adults residing at 4300 meters for 28 days, 14806
 - high—
 - cardiopulmonary responses of resting man during early exposure, 7413
 - man's adaptation to lower Caucasus, USSR study, 14276
 - metabolic effects of prolonged bed rest, their modification by simulated altitude, 14777
 - oxygen requirements, 8921
 - relationship between—
 - altitude and micropopulation, 1733
 - frontal activity and micropopulation at altitude, 1732
 - respiratory function in normal young adults at 3475 and 4300 meters, 5753
 - scale heights in topside ionosphere, Alouette I observations, 2617, 6736
 - summary graphs, 16930
 - simulated, normal human serum parameters, 7341-42
- Altitude rate command system, 9997
- Altman, L. B., electric water pumps on farm, 10176
- Alumina:
- alkalized, system for SO removal, process development in removing sulfur dioxide from hot flue gases, pilot plant study, 12831
 - extractability from anorthosite by lime soda sinter process, correlation of reaction products, 9784

Alumina—Continued
 fused crude aluminum oxide, disposal from national and supplemental stockpiles—
 law, 437
 reports, 685, 922
 lime-soda sinter process for producing from clay, evaluation, 9779
 Pederson process adaptation to ferruginous bauxites of Pacific Northwest, 9788
 tritiated, serves as reagent for self-labeling analysis, 16886
see also Boehmites.
Aluminate, solutions, desilicizing, USSR study, 9645
Aluminum:
 alloys—
 aqueous environments, crack propagation, delayed failure, and residual static strength, 6872
 friction of copper-aluminum alloys, possible relation with stacking-fault energy, 8490
 heat treatment study of aluminum casting alloy M45, 12892
 materials data handbooks, announcements, 9851, 17956
 sheet, uniaxial and biaxial fracture toughness, 11552
 treatment increases stress-corrosion resistance, 6760
 weldable, high strength, developed for cryogenic service, 6776
 welds, effect of welding position on porosity formation, 12903
 aluminized thin-window proportional-counter tube is stronger, more responsive in long wavelength region, 8451
 aluminum-titanium hydride-boron carbide composite provides lightweight neutron shield material, 16878
 BDSA looks at domestic aluminum situation (address), 5806
 chemistry of aluminum in natural water (series), 15313
 corrosion in water, 17938
 electrodeless nickel plating, 5202
 electrolysis, fluorine balance determination, USSR study, 9645
 electrothermal method for producing aluminum and its alloys, history, USSR study, 12719
 forgings, industry, notice to trade, 10332
 fracture toughness of wide 2014-T6 aluminum sheet at -320°F , 12936
 fusion welds, continuous internal channels produced, 12909
 identification marking, Federal standard, 8008
 industry, Japan, 9015
 ingot and mill products, current industrial reports, 3169, 15991
 potential resources of the world, 8154
 potential sources, 14325
 primary, monthly report, 3768
 products, preparation for shipment and storage, military standard, 16466
 projectile size effects on hypervelocity impact craters in aluminum, 14468
 scrap and secondary ingot, mineral industry survey, monthly, 3855
 sintered aluminum powder (SAP), used for manufacture of pistons for high-speed engines, USSR study, 4969
 Ti-8Al-1Mo-1V simulated structure, fusion welded, fatigue behavior, 16905
 welds improved by bead removal, 8457
 zircaloy-aluminum composite pressure tubing, fabrication process, development, 8907
see also names of articles manufactured from aluminum.

Aluminum Company of America, wage chronology, 16821
 Aluminum foil, converted, current industrial reports, 17429
 Aluminum hydroxide, complexes in dilute solution, form and stability, 15313
 Aluminum isotopes, Al 27, investigation of (d, α) reaction, 6852, 14448
 Aluminum oxide, *see* Alumina.
 Aluminum silicates, *see* Silicates.
 Alvarez-Gomez, Anselmo S., relief, 9207, 12150, 12218
 AM series, 136-141, 1820-23, 4248-55, 5802-4, 7446-47, 10320-322, 13351, 14812, 15979-981, 17410-414
 Amado, Julian B., relief, 10721
 Amado, Manuel S. B., relief, 10721
 Amat, Alberto Fernandez-Bravo y Amat, Alberto.
 Amateur Athletic Union, controversy with NCAA, status, hearing, 17646
 Ambiguity function independent of assumptions about bandwidth and carrier frequency, 8598
 Amblycera, *see* Lice.
 Ambrose, Paul M.:
 abrasive materials, 5097
 fluorspar in 1966, preliminary report, 5103
 sulfur and pyrites, 6692
 sulfur in 1966, preliminary, 5135
 Ambrosia beetles, *see* Beetles.
Ambulances:
 2d and 3d class postal rates for volunteer ambulance and rescue companies, extend, report, 694
 standard models and special equipment requirements, military standard, 15189
 AMC, *see* Army Materiel Command.
 Ament, W. S., Brownian motion as route to statistical mechanics, etc., 8597
America:
 Alouette I observations over continents, 2617
 summary graphs, 16930
 America's airport beautification awards program, 17741
 18th century, floor coverings, 14530
 goals for urban America (address), 17022
 industrial and occupational manpower requirements, 1964-75, study, 6602
 metropolitan, challenge to Federalism, study, 2048
 print additional copies, reports, 10590, 10785
 new era for America's waters, 6342
 science and America's beauty, 15841
 trails, report on nationwide trails study, 5367
see Central America—Latin America—North America—South America—United States.
 America illustrated (periodical):
 Polish language edition, 3026
 Russian language edition, 3027
 American Academy in Rome:
 real and personal property, increase amount—
 law, 16135
 report, 14966
 American Association of State Highway Officials:
 report on Federal-aid highway needs after 1972, 12314, 12321
 print as Senate document, report, 12370
 American Battle Monuments Commission:
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 reports, 10616, 16372
 American Cancer Society, Massachusetts Division, gas-liquid chromatograph mass spectrometer, duty-free entry, 13775, 14901
 American Ceramic Society, nuclear science and technology for ceramists, symposium, proceedings, 12982

INDEX 1967

American education (periodical), 3028
 American ephemeris and nautical almanac, 2768
 supplement, 6995
 American Ethnology Bureau, bulletins, 8872, 11973
 American Expeditionary Forces:
 battle art, exhibition, 8680
 cartographic records, 1917-21, preliminary inventory, 14508
 American Falls Reservoir, ground water in vicinity, 17832
 American Federation of Labor-Congress of Industrial Organizations, civil defense policy resolutions, 1903, 17432
 American Flyers Airline Corporation, accident, 10404
 American Historical Association:
 report, 1965—
 departmental edition, 1747
 document edition, 2010
 American history, *see* History—Naval history.
 American History Month:
 designate—
 law, 472
 report, 10773
 American Indians, *see* Indians.
 American Institute of Architects, Brooklyn Chapter, awards in fallout shelter competition, 7529
 American Instructors of the Deaf, Convention of, *see* Convention of American Instructors of the Deaf.
 American Journal of Nursing, relief, 7631
 American Legion:
 convention, 1966, proceedings, 12197
 legislative program, hearings, 9172
 membership eligibility, redefine—
 law, 363
 report, 894
 American Meteorological Society, meteorological geostrophysical abstracts, 3636
 American Motors Corporation, adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Adjustment Assistance Board, 10112-113
 American National Red Cross, community involvement in civil defense, suggestions, 16051
 American Nuclear Society, special sessions on radiation transport and biological effects, proceedings, 13314
 American parade of politics, 10078
 American Petroliua Co., of Texas, relief, 15066, 16226, 17524
 American policy, *see* International relations.
 American republics:
 Inter-American series, 11828
 plan for decade of urgency, commitment for progress, declaration of Presidents of America, Punta del Estes, Uruguay, 11828
 waterborne transportation, Inter-American convention, report, 6065
 American Revolution Bicentennial Commission, act, amend rel. to membership, report, and authorization, report, 13681
 American Samoa:
 county business patterns, 13385
 Geniostoma, description, title page and index, 17048
 Governor, annual report, 12637
 nautical chart catalog, 7558
 social security tax guide for employers, 2402
 American Society for Testing and Materials, metric practice guide, 6915
 American States, *see* American republics.
 American Veterans of World War II, legislative program, hearings, 9172
 American Viscose Corp., wage chronology, 16822

Americans:
 meet at home, extend friendship to visitors from throughout world, 10126
 officials and their families, social usage abroad, guide, 8712
 Americas, *see* American republics.
 America's day begins in Guam, U.S.A., 9584
 America's department of natural resources, 2391
 Americium, apparatus for fabrication of americium-beryllium neutron sources prevents capsule contamination, 14366
 Ames Research Center, Moffett Field, Calif., closed life-support system, 15513
 AMG, *see* Acreage marketing guides.
 Amidon, Elliot L., MIASBS2, alphanumeric map information assembly and display system for large computer, 14142
 Amines:
 controlling off-site hardwoods with 2,4-D amine concentrate, 12583
 m-aminobenzyl amine (MABA), syntheses, properties, and uses, 9389
 tissue, alterations by toxic decaborane-14 and pentaborane-9, modified by hydrazines and propylamines, studies, 7357
 Amino acids, aromatic L-amino acid decarboxylase inhibition by decaborane, 14775
 Amino compounds, concentration in rat plasma, effects of ionizing radiation, 5714
 Amino resins, *see* Resins.
 Ammonia:
 compatibility with balloon fabrics, 4836
 use with coal for hydrogen cyanide production, 14349
 Ammonites, Cretaceous, from Matanuska Formation, 8170
 Ammonium bisulfate, fusion with euxenite metal, extraction of values, 6685
 Ammonium nitrate, sympathetic detonation, studies, 5131
 Ammonium sulfate, fusion with euxenite metal, extraction of values, 6685
 Ammunition:
 color coding, military standard, 16467
 control of projectile flight characteristics, engineering design handbook, 1751
 Federal item identification guides for supply cataloging, supplements, 3293
 inert components, packaging, packing, and marking, military standard, 10899
 rigging, for low and high velocity airdrop, 7399, 13303
 shipments, indemnification for losses arising from, agreement with Great Britain, 7184
 small arms ammunition, identification guide, 5738
 specialized ammunition machinery, industrial plant equipment handbook, 9367
 transporting, Navy driver's handbook, 7009
 Amortization, *see* Mortgages.
 Ampeliscidae, *see* Amphipods.
 Amphibious operations:
 amphibious training manual, 16839
 antimechanized operations, Fleet Marine Force manual, 16841
 engineer amphibious units, Army field manual, 4204
 reconnaissance, Fleet Marine Force manual, change, 12782
 Amphipods:
 benthic Amphipoda of Monterey Bay, Calif., 2751
 gammaridean, bathyl and abyssal, of Cedros Trench, Baja California, 17046
 Morro Bay, Calif., benthic survey, 6956
 Pacific Ampeliscidae, species, etc., 6961
 pelagic amphipod Cyphocaris challenger in northeast Pacific (Gammaridea: Lysianassidae), variation and distribution, 6967
 subterranean, genus Stygonectes (Gammaridae), systematics, speciation, and distribution, 12996

- Ampian, Sarkis G., lime soda sinter process, extractability of alumina from anorthosite, 9784
- Amplifiers:
drift tester, 8503
electrometer, operates over dynamic range of 5 orders of magnitude, 14414
field effect transistors improve buffer amplifier, 17961
fluid amplifier elements, experimental scaling study, 9850
logarithmic, SiC/Si diode trigger circuit provides automatic range switching, 17957
microminiature dc signal conditioning system, development, 14483
miniature electrometer preamplifier compensates for input capacitance, 2666
nanosecond, discriminator circuit super-regulation, digital system provides, 5147
operational, limit circuit prevents over-driving, 17925
provides dual outputs from single source with complete isolation, 14367
push-pull, circuit provides overcurrent protection, 16948
transistor biased, minimizes diode discriminator threshold attenuation, 16883
voltage regulator/amplifier is self-regulated, 11480
see also Fluid amplifiers.
- Amputees, lower extremity, immediate post-surgical prosthetics, 13171
- AMS, *see* Applied mathematics series.
- Amsden formation, *see* Pennsylvanian period.
- Amusements, entertainment expenses, rules for deducting from income tax, 2410
- AMVETS, *see* American Veterans of World War II.
- Anable, Wallace E., electron-beam purification of vanadium, 15480
- Anaheim, Calif., area wage survey, 12773
- Anahuac National Wildlife Refuge, birds, list, 11085
- Analog computers, *see* Electronic computers.
- Analog-to-digital converters:
analysis and calibration of analog to digital encoders, 9891
ten-bit, general information, corrected copy, 11486
- Analog to digital encoders, *see* Analog-to-digital converters.
- Analysis, *see* Radioactivation analysis—Radiochemical analysis—Thermogravimetric analysis—*also* names of substances analyzed.
- Analysis and design of space vehicle flight control systems, 12871-876, 14383-384, 15497-503
- Analysts, *see* Management analysts—Public health analysts—Transportation analysts.
- Analytical approach to determination of stellar fields of view, 11557
- Analytical chemistry, *see* Chemistry.
- Analytical Coordination Chemistry Section, annual report, 14518
- Analytical Mass Spectrometry Section, activities, summary, 17041
- Analysers:
atmospheric particle analyzer, improved, 15529
two-dimensional, use of oscilloscope, 15539
see also Pulse analyzers—Spectrum analyzers.
- Anatomy:
bodily functions, effects of combined space flight factors, USSR study, 2439
long-term lower body negative pressure, influence on circulatory function of man during prolonged bed rest, 1734
- Anchorage, Alaska:
earthquake of Mar. 27, 1964—
effects on Eklutna hydroelectric project, 6402
effect on hydrology of area, 1123
- Anchorage of seats for automotive vehicles, Federal standard, 6320
- Anchorage for seat belt assemblies in automotive vehicles, Federal standard, 6315
- Anchovies, larvae, distribution and abundance in California current region off California and Baja California 1951-64, summary, 8036
- Ancient Arabic Order of Nobles of Mystic Shrine, regulations for 1967 convention, report, 2088
- Anderson, Arthur, relief, 16177
- Anderson, D. R., normal values for clinical blood chemistry tests of *Macaca mulatta* monkey, 7368
- Anderson, Duwayne M.:
interface between ice and silicate surfaces, 11982
phase composition of frozen montmorillonite-water mixtures from heat capacity measurements, 14792
Umiat bentonite, unusual montmorillonite from Umiat, Alaska, 13201
- Anderson, Hal E., mechanism of fire spread research progress report 2, 2329
- Anderson, Henry W., rainfall and streamflow from small tree-covered and fern-covered and burned watersheds in Hawaii, 8115
- Anderson, James K., bending tests of 2 large-diameter corrugated cylinders with eccentric ring stiffeners, 1506
- Anderson, John L., jr., VULCAN, depletion program for use with independent 1-dimensional spatial calculations, 16990
- Anderson, LeRoy O., selection and use of wood products for home and farm building, 7264
- Anderson, R. V., use of atmospheric-electricity recordings in fog forecasting, 8590
- Anderson, Webster S.:
lightweight recoverable hydraulic prop, 17913
test operations of pneumatic vibrating-blade planer, etc., 1411
- Anderson, William D., jr., field guide to snappers (Lutjanidae) of western Atlantic, 8019
- Anderson, Ind., population, special census, 13398
- Andervont, Howard E., Journal of National Cancer Institute, 2457
- Andreassi, John L.:
effects of signal patterning upon vigilance performance and physiological responses, 8585
vigilance performance and physiological responses under fixed and variable signal schedules, 14590
- Andrews, A. M., remarks, Mar. 1, 1967, 7522
- Andrews, Archie M.:
addresses, etc.—
Feb. 20, 1967, 6465
May 25, 1967, 11228
- Andrews, Edith W., labor law and practice in India, 8300
- Andrews, Richard L., electrodeposition of iridium from fused sodium cyanide and aqueous electrolytes, 16865
- Andrus, J. E., integration of control equations and problem of small time constants, 8505
- Anemia, equine infectious anemia (swamp fever), questions and answers, 14756
- Anesthetics:
anesthetized dogs, cardiovascular responses during repeated decompressions to near-vacuuming, 78
apparatus for inhalation anaesthesia for small laboratory animals, USSR study, 1288
fish, use of MS-222, 8033
- Angel, C. D.:
fluid handling, classification definitions, 18126
geometrical instruments, classification definitions, 18120

INDEX 1967

- Angel, C. D.—Continued
motor vehicles, classification definitions, 18129
- Angel, J. Lawrence, early skeletons from Tranquillity, Calif., 1531
- Angelfish, South American freshwater, genus *Pterophyllum*, 8539
- Angle of attack:
entry flight aerodynamics from Apollo mission AS-202, 17009
Project Fire flight reentry, time history, 18020
shock layer effects over bodies of revolution, methods for predicting flow, 11507
- Anglin, Ernie L., relationship between magnitude of applied spin recovery moment and ensuing number of recovery turns, 14474
- Angola, *see* Portuguese West Africa.
- Anguilla, *see* Leeward Islands.
- Angular distribution, gamma ray coefficients, compilation, 12013
- Angular momentum, Fortran programs for calculation of Wigner 3j, 6j, and 9j coefficients, 1526
- Anhydrides, phthalic and maleic, from low-temperature lignite tar, 9768
- Anido-Franguio, Hilario, relief, 9246, 12148, 12217
- Animal industry, *see* Livestock.
- Animal products:
code of Federal regulations, 9461
long term forecasts of supply and demand in Venezuela, summary and evaluation, 12456
trade and tariff information, summaries, 7203
- Animals:
byproducts, salmonella control, sanitation guidelines for processors, 11922
cells, infecting with ribonucleic acid of tobacco mosaic virus, possibility problem, USSR study, 6486
code of Federal regulations, 9461
damage control policy for Sport Fisheries and Wildlife Bureau, 11078
damage to seedlings, C-14 labeled tetramine, absorption and distribution, in relation to use in control, 4851
drug amendments of 1967, hearing, 17605
electronicarosis and electrosleep, USSR book excerpts, 15396
experimental formation of interferon in animal organism, characteristics, USSR study, 4989
experimental, in convulsive states, USSR electron microscopic study of cerebral cortex, 12752
husbandry, achievements of Belorussian Scientific Research Institute of Animal Husbandry in 50 years of Soviet power, 15421
in atomic research, uses, etc., 15977
irradiation of natural animal populations, design of shielded source, 1782
- laboratory—
apparatus for inhalation anaesthesia, USSR study, 1288
exposure to space cabin environment, viral antibody production, 74
- live, Federal item identification guides for supply cataloging, supplements, 3292
- popular description of chromosome and animal transplant experiment, USSR, 1307
- psychopharmacology research, handbooks, index, 7083
- surplus disposal on national wildlife refuges, 16622
- vestibular apparatus, USSR studies, 17864
- wild animals as source of food, 4810
see also Diseases of animals—Livestock.
- Antisopodidae, *see* Flies.
- Anisotropy:
Knoop hardness, stereographic representation, 18051
neutron production by fusion in class of anisotropic plasmas, 5347
rock stress determinations, 12818
ultrasonic pulse measurements in anisotropic lake ice, 1754
- Annealing, TI-8Al-1Mo-1V (duplex-annealed) specimens having various widths, fatigue crack growth, investigation, 8494
- Annelids, crayfishes and their epizootic ostracod and branchiobdellid associates of Mountain Lake, Va., region, 15604
- Annett, John, use of cuing in training tasks, 15635
- Annie B. (vessel):
documentation with coastwise privileges, report, 10763
- Anniston, Ala., bauxite deposits, 2356
- Annual leave, *see* Leave of absence.
- Annuals (plants):
flowering, growing, etc., 15853
- Annuitants:
Foreign Service retirement and disability system, increases and adjustments, report, 13795
Panama Canal noncitizen retirees, increase benefits—
law, 426
report, 934
railroad retirement act—
adjustments, law, 414
supplemental, law, 413
see also Civil service pensions—Pensions.
- Annunciators, solid state, facilitates complex system troubleshooting, 2640
- Anunziata, Joseph W., French reactions to American involvement in Vietnam, 5703
- Anodes:
high rate, exploratory investigation, 8596
microstructure, 8591
- Anolis, *see* Lizards.
- Anorthosite, alumina extractability by lime soda sinter process, correlation of reaction products, 9784
- Anrrich, Rafael, relief, 555
- Ansley Wilcox House, acquire and preserve as historic site, law, 422
- Antarctic regions:
Antarctic Journal of United States, 3031
Antarctic krill, Soviet fishery research, 15345
bibliography, 6621
climatological data for Antarctic stations, 6217
cores, particulate content, 17374
gazetteer, official standard names, 2355
ice sheets, effect of basal water layer on dimensions, 4196
inventory of archived data, 6996
multilateral treaty, measures in furtherance of principles and objectives, recommendations, 2899
seismological bulletin (periodical), 3032
Soviet Committee for Antarctic Research, reports on recent work, 12728
Soviet research, 10 years, 12755
Antarctic Treaty, measures in furtherance of principles and objectives, recommendations, 2899
- Antarctica, *see* Antarctic regions.
- Antenna horns:
errors in gain measurements in standard electromagnetic horns, 9944
shortened horn-reflector antenna, 8452
- Antennas:
advanced techniques for rendezvous radar, study, 11403
Cassegrainian, scanning means for, 12900
conjugate-pair feed systems, 5360
experimental Cassegrain-fed monopulse antenna system, 11396
Gemini VHF-UHF polarization experiment D-14, 10009

- Hartlobe airborne dual antenna system for IFF, Mark X (SIF) system, 8587
input admittance of coaxial transmission line opening onto flat, dielectric-covered ground plane, 16993
linear array, turbulent troposphere effect on parameters, USSR study, 5018
long-wave and ultra-long-wave, design and methods of calculating parameters, USSR study, 15385
MF/HF communications, engineering-installation standards manual, 4667
near earth and buried, USSR study, 11262
probe on Apollo spacecraft, effects on aerodynamic characteristics, 12948
radiometric boreighting by sequential lobing, 18055
short-wave logarithmic, USSR study, 11247
signal processor employing synthetic phase isolator, 11397
simulator permits preinstallation system checkout, 2648
structures, construction, lighting and marking, FCC rules and regulations, 3271
tower antenna structures, USSR study, 1304
waveguide fed aperture antenna radiating into inhomogeneous lossy dielectric slab, input admittance, 18028
Anthology of poetry and verse, 4911
Anthracite, *see* Coal.
Anthrax, laboratory diagnosis, accelerated methods, USSR study, 2448
Anthropology:
classification, Library of Congress, 5086
Smithsonian contributions, 1531, 6972-74, 9954, 13001, 14547
Antiballistic missiles, *see* Missiles.
Antibiotics, research and production efficiency, Rumanian study, 15404
Antibodies, *see* Antigens and antibodies.
Anticholinesterase:
activity of organophosphorus inhibitors, determination, USSR study, 1168
properties of O-H-alkyl-S-butyl methyl thiophosphates, USSR study, 8276
Antidotes, *see* Poisons.
Antietam National Battlefield Site, general information, 9956
Antifriction bearings, *see* Bearings (machinery).
Antigens and antibodies:
antigen structure of helminths, use of immunoelectrophoresis for study, USSR, 12664
fluorescent antibodies for rickettsia detection, USSR study, 12666
indirect hemagglutination test for Mycoplasma pneumoniae employing commercially available antigen and adapted to microtiter technique, 5754
reactions to bacterial antigens after irradiation, USSR study, 9665
tissue, changes during process of experimental carcinogenesis, 1156
viral antibody production in animals expose to space cabin environment, 74
Antigorite, solution studies, 8160
Antigua, *see* Leeward Islands.
Antihemophilic globulin, *see* Globulin.
Antilles, light list, 12123
Antimechanized operations, 16841
Antimissile defense, USSR, 9676
Antimissile missiles, *see* Missiles.
Antimony, mineral industry survey, quarterly, 3033
Antiriot bill, *see* Riots.
Antitrust Division, review of activities, 8280
Antitrust laws, *see* Monopolies—Trusts (industrial).
Antofagasta Province, Chile, geology and ground-water resources, northern part of Salas de Atacama Basin, 11164
Antoine, Albert C., thermodynamic properties of liquid metal solutions in sodium-mercury system, 9910
Ants:
Texas leaf cutting ants—
control with mirex, 2325
description, control, etc., 15278
Antweiler, J. C., gold-bearing sedimentary rocks in northwest Wyoming, preliminary report, 9569
Anxiety, antianxiety and antidepressant drugs, uses in psychiatry, etc., 2962
Anzelewski, Fedja, catalogue and notes on Dürer and his time, 10079
Aorta:
aortic baroreceptors, 11278
aortic insufficiency in flying personnel, 17348
Aoyagi, Kiyoshi, subsonic transport with aft engine nacelles and high tail, 5268
Apache Indians:
Apache Tribe of Mescalero Reservation, judgment funds, consolidation and use, report, 15117
San Carlos Reservation, longer term leases, authorize, report, 12261
Apache National Forest, regeneration of mixed conifer clearcuttings, 11126
Apache Tribe of Mescalero Reservation, *see* Apache Indians.
Apanasewicz, Nellie, final examination in Russian ten-year school, 1002
Apartment houses, dwelling units, field burnout tests, 18075
Aperture reflection coefficient of parallel-plate waveguide by wedge diffraction analysis, 14382
Aphids:
balsam woolly aphid—
infestation in Pacific Northwest, characteristics, 4852
translocation of dye infested in grand and subalpine firs, 11116
Aplarias, *see* Bees.
Apollo project, *see* Project Apollo (man-in-space program).
Apollo spacecraft, *see* Spacecraft.
Apostle Islands National Lakeshore:
establish—
hearings, 13868
report, 15109
Appalachian region:
development act of 1965—
project activity supplement, 6159
revise and extend—
hearings, 7825, 13713
law, 17548
message from the President, 4491
reports, 7788, 12359, 14957, 14974, 16265
status and progress under act, report, 7682
forest industries in Appalachia counties of Tennessee, 16666
hardwoods—
epicormic branching on 8 species, 8078
for pallets, laboratory evaluation, 16661
Kentucky and Ohio hardwood lumber production, costs and returns, 4850
mine fire control project, 6691
oilfields, densities and porosities of core samples from wells, 11353
planning and zoning suggestions, 7884
southern, regeneration in oak stands, 12578
sulfide deposits, massive, 15310
two supply cooperatives serving low-income farmers, analysis in Appalachia, 2231
underemployment concept, way to measure need for economic development, 10922
VISTA service Appalachia, 6168
woods, suitability for sanitary tissue and toweling, 8100

INDEX 1967

- Appalachian Regional Commission :
 annual report, 7372
 appropriations, 1968, hearings, 9145
 Federal cochairman, nomination of Joe W. Fleming II, hearing, 6125
- Apparatus tests, performance tests for operator-skills research, 1821
- Apparel, *see* Clothing.
- Appeals :
 appellate review of sentences, provide, report, 12394
 contract appeals, decisions, 3427
 Indian appeals, decisions, 3428
 land appeals, decisions, 3429
 local union election, analysis, 6592
 military claims determinations, clarify procedure, amend U.S. Code, report, 12279
 permit appeal by U.S. from orders for return of seized property and to suppress evidence, report, 14990
 selective service classifications appeals, 15728, 17193
- Appellate proceedings, *see* Appeals.
- Apple cider, *see* Cider.
- Apples :
 bitter rot, general information, 17320
 commercial, production by varieties, 1966 with comparisons, 2937
 grading and sizing with brushes, 7246
 McIntosh, new overwrapped trays, 1674
 orchards, young, establishing and managing, 5625
 packing costs in Michigan, analysis, 5653
 production, use, value, 1965-66, by States, 14696
- Applicators for precision placement of chemicals in soil, 1673
- Applied mathematics, computers, and information models, USSR, 16735
- Applied mathematics series, 14513
- Applied Technology Institute, *see* Institute for Applied Technology.
- Applo, Paul L., Gulf series in subsurface in northern Florida and southern Georgia, 16692
- Appointments, *see* names of persons appointed to office—also names of departments, etc.
- Appomattox Court House National Historical Park, general information, 2753
- Appomattox Manor, acquisition by Petersburg National Battlefield, etc., report, 14962
- Apprentices :
 apprenticeship program, setting up, 94
 cash register repairmen, apprenticeship policy, 7373
 examination, sample questions, 12112
 mechanical trades, examination announcement, amdt., 203
 Negroes in apprenticeship, 16793
- Apprenticeship and Training Bureau, publications, list, 13277
- Apprenticeships, *see* Apprentices.
- Approach, naval aviation safety review, 3036
- Approach lights, *see* Lights and lighting.
- Appropriations :
 additional, 1967 and 1968, proposal, 10694
 amendments, 1968, 16512, 12320
 general Government matters, 1967, continue—
 law, 362
 report, 641
 general Government matters, 1968, continue—
 hearings, 17635
 laws, 13525, 16131, 17547
 reports, 12276, 13808, 14988, 16267, 16282, 16285
 legislative, 1959, amend act—
 law, 17540
 reports, 14968, 15138
- Appropriations—Continued
 legislative, 1967, supplemental, hearings, 2040
 legislative, 1968—
 amendments, 13723
 hearings, 10633, 12398
 law, 13537
 reports, 10617, 13672, 13813
 supplemental, new obligational authority, 1966 and 1967, proposal, 7609
 supplemental, 1967—
 hearings, 9146, 9303
 laws, 411, 10490
 proposal, 9068
 reports, 10566, 10770, 13629
see also subjects, or names of departments, etc., for which appropriations are made.
- Appropriations Committee, House :
 hearings, 2040, 6026-27, 7733-36, 9141-46, 10629-634, 12286-287, 15014-17, 16304-305
 reports, 641, 7704, 9097, 9120, 10560, 10566, 10600, 10612, 10616-617, 10620, 12276, 13633, 13666, 13678, 14978, 14988, 16267, 16282
- Appropriations Committee, Senate :
 committee prints, 10804-805
 hearings, 939, 7794, 7797, 7799, 9301-3, 10803, 10806, 12397-398, 13839-842, 15147, 16388-390, 16392-393, 16395, 17635-637
 100th anniversary, compilation, 9183
 reports, 9268, 10766, 10770, 10791, 13808, 13813, 13815, 15082, 15096, 15131, 16372-373
- Approximations, multivariable function, orthonormalization procedure, 6749
- Apricots :
 dried, U.S. standards for grades, 13894
 production, use, value, 1965-66, by States, 14695
- APRO, *See* Army Personnel Research Office.
- Aptitude tests :
 Air Force Academy cadets, class of 1967, 1st year achievement, 17343
 Air Force officer qualifying test scores, relationship to success in undergraduate pilot and navigator training, 13267
 differential tests, comparison with airman qualifying examination, errata, 4171
- Aqualung :
 scuba diving—
 and underwater sports, USSR study, 6490
 biologic and physical aspects, 11953
 USSR, 15420
 scuba masks, effect on underwater visual resolution, 14317
- Aquatic sciences, *see* Science.
- Aquatic sports, notes on aquatics, USSR study, 16760
- Aqueous solutions, ion exchange determines iodine-131 concentration in aqueous samples, 12833
- Aquifers :
 basalt, artificial recharge through well tapping at The Dalles, Oreg., 16700
 mechanics of aquifer systems (series), 12607
 properties and well design for artificial-recharge site, 1128
 Punjab region of West Pakistan, tests, analysis, 11187
- Arab countries :
 Arab performance put to test, Lebanese article, 15430
 Communist party representatives, conference resolutions, 12718
 oil-producing, USSR report, 11254
 United States policy in Near East crisis, 14680

Arabian Gulf States, *see* Bahrain—Qatar—
Trucial States.
Arabian Peninsula, geology, 1124, 6405-7,
8173
Arabs, nationalism, Soviet view, 9629
Aradidae in National Museum (Hemiptera :
Heteroptera), notes, 5307
Aransas National Wildlife Refuge :
birds, list, 4804
mammals, list, 11087
whooping cranes, general information,
8043
Arapaho Indians :
convey certain federally owned lands to,
report, 13835
judgment funds, disposition, reports,
15007, 15118
Arberg, Harold W., sonata for 2 clarinets,
student composers take over, 7911
Arbitration, *see* Industrial arbitration.
Arbolea, Carlos J., relief, 9198
Arc (electric), *see* Electric arc.
Arc heating, megawatt dc, of nitrogen, ex-
perimental investigation, 5205
Arc tunnels, *see* Wind tunnels.
Arc welders, *see* Welders.
Arc welding, *see* Welding.
Arceuthobium, *see* Mistletoe.
Archeology :
ethnoarcheology of Crow Village, Alaska—
departmental edition, 8872
document edition, 9048
inter-agency archeological salvage pro-
gram, papers—
departmental edition, 11973
document edition, 12193
Pony Creek, 15734
publications in salvage archeology, 5499,
10081, 15734
Archer, Wayne B., group job descriptions
computation from occupational survey
data, 11951
Arches National Monument, general informa-
tion, 8551
Archibannellida, marine, from Dominica, 11612
Architect of Capitol :
appropriations, 1968, legislative—
hearings, 10633, 12398
law, 13537
reports, 10617, 13672, 13813
employees, training opportunities, report,
16232
management of and control over expend-
able supplies and materials, GAO review,
14161, 15057
Rayburn House Office Building, construc-
tion and related costs, GAO examina-
tion, 8131, 9182
reports, semiannual, 6059, 15061
Architects :
architect-engineer fees, statutory and reg-
ulatory Government-wide administration
requirements, GAO review, 16668
construction services, contracting for AEC
work, guide, 13350
demonstration city program and architect
(address), 2735
examination announcement, amendment,
17453
nuclear defense design, courses, announce-
ment, 16053
Architecture :
architecture-engineer fees, Government-
wide administration of certain statutory
and regulatory requirements, GAO re-
view, 9548
college design awards, new shapes for ivory
towers, 7904
concrete structural design for buildings,
Army technical manual, 7391
courier station design, technical manual,
13301
definitive designs for naval shore facil-
ities, 15619-620
designing fallout shelter in new buildings,
manual for architects, 7530

Architecture—Continued
excellence in design, new potential on
American campus, 1966 awards program,
7894
Georgetown commercial architecture, Wis-
consin Ave., northwest Washington,
D.C., historic American buildings sur-
vey, selections, 11616
honor awards for design excellence, De-
partment of Housing and Urban Devel-
opment Department, 16710
Navy design manual, changes, 2764
PACAF basic bibliography, 13266
science facilities, planning, design, and
construction, literature, list, 14561
shelter through architectural design,
shielding requirements influence on form,
8981
Archives, National Oceanographic Data Cen-
ter, data inventory, Arctic and Antarctic
supplement, 6096
Arctic Coast, coast pilot, Alaska, Cape Spen-
cer to Beaufort Sea, supplement, 5945
Arctic Ocean, lights and fog signals, list,
5535, 8572
Arctic regions :
emergency construction, surface drainage
design for airfields and heliports, 7395
environmental health series, 14623
high polar ice sheets, measurement of
natural particulate fallout, Antarctic
and Greenland cores, 17374
inventory of archived data, 6096
polar cap ionosphere, cooperative study,
agreement with Canada, 17248
polar region studies in geomagnetism and
aeronomy, USSR, 8277
radioactive fallout, 14794
temperature inversions survey, 4200
Ardmore, Okla., aircraft accident, 10404
Are we running out of water?, 6396
Area handbooks :
Dominican Republic, 11990
Ecuador, 10268
Kenya, 15941
Saudi Arabia, 5733
South Vietnam, 13297
Thailand, 5734
Area measurement reports, 149-150, 1831,
4265-69, 5809-15, 7456-58, 8928-29,
10335-338, 12034-36, 13357-360, 14816,
17421-423
Area redevelopment, *see* Redevelopment (city
planning, etc.)—Rural redevelopment—
Unemployed.
Area trends in employment and unemploy-
ment (periodical), 2039
Area wage surveys, *see* Wages.
Arenac County, Mich., soil survey report,
14654
Ares y Fernandez de Bosch, Myriam, *see*
Bosch, Myriam.
Aresco, S. J., analyses of tippie and delivered
samples of coal, 8375
Argentina, Newfoundland, *see* Naval Operat-
ing Base, Newfoundland.
Argentiera, Peter D., nonparametric tests
for randomness in sequences, 5248
Argentina :
amateur alien radio operators, authoriza-
tion to operate, agreement, 13131
atomic energy, cooperation for civil uses,
application of safeguards, agreement,
2803
background notes, 13130
capsule facts for Armed Forces, 15916
declaration on provisional accession to
GATT, 11862
economy, basic data, 4433
livestock and meat industry, 11059
mineral industry, minerals yearbook chap-
ter, 15466
radio communications between amateur
stations on behalf of 3d parties, agree-
ment, 13152
trade agreement, 2918

INDEX 1967

- Argere, Athanasia, relief, 9234, 12232, 13507
- Argon:
gas, low density, electron flow including space-charge and elastic collisions, 14480
isotopic abundance in natural gases, rel. to helium genesis, 9785
volume ion production costs in tenuous plasmas, detailed results, 15577
- Arguello, Point, budget of littoral sands in vicinity, 7924
- Argyris, Chris, some causes of organizational ineffectiveness within Department of State, 3525
- Arias, Maria del C.T. de, relief, 16222, 17523
- Ariel, see Satellites.
- Arithmetic:
extended precision, subroutine allows easy computation, 2639
one class of self-teaching recognition algorithm, USSR study, 12675
ranger arithmetic for—
1st and 2d grade teachers, 2293
3d grade teachers, 2294
4th grade teachers, 2295
5th grade teachers, 4825
6th grade teachers, 11108
7th grade teachers, 2296
- Arizona:
California boundary compact, consent of Congress, report, 4499
census of agriculture, 1964, State and county statistics, 13409
census of mineral industries, 1963, area statistics, 5822
chaparral communities, moisture-retention capacity of litter, 14112
climate, 4746
climatological data, 3096
county business patterns, 10346
electric rate book, 1050
forest resources, 2336
highway safety study, Operation 66, joint engineering-enforcement project report, 1594
home fruit garden, 5635
land conveyance, hearings, 16303
mineral industry, minerals yearbook chapter, 6643
mineral resources of—
Mount Baldy primitive area, 8156
Pine Mountain primitive area, 11166
postal map, 15650
precipitation data, hourly, 3401
radioactivity, airborne, 1953-56, maps, 1801
southern, younger Precambrian geology, 16696
vegetative key to some common range grasses, 11141
water supply outlook and snow surveys, 4044
- Arkansas:
area measurement reports, 149, 4265
census of agriculture, 1964, State and county statistics, 13408
census of mineral industries, 1963, area statistics, 4281
climatological data, 3096
county business patterns, 169, 12044
electric rate books, 1051, 16582
employment, education, and voting, State advisory committee report to Civil Rights Commission, 13434
mineral industry, minerals yearbook chapter, 6644
Ozarks, Appalachian loblolly grows well, 2320
postal map, 15651
precipitation data, hourly, 3401
processing of high-tron bauxite ores, 9766
radioactivity, airborne, 1952-55, maps, 1802
Titan II missile site disaster actuarial analysis of survivor benefits payable, 7115
- Arkansas River and Valley:
basin, water quality control, engineer report—
departmental editions, 2196-2200
document editions, 2070-74
lock and dam no. 4, navigation conditions, hydraulic model investigation, 2221
navigation entrance, hydraulic model investigation, 17737
project, low-lift locks, filling and emptying systems, hydraulic model investigation, 4743
water supply outlook and snow surveys, 4045
- Armaments, see Munitions.
- Armatures, solenoid, holds residual magnetism in desired position, 8464
- Armed Forces:
active-duty service, naturalization of those serving, hearings, 7750
administration of military justice, hearings, 958
America's servicemen and veterans, legislative proposals, message from the President, 5993
appropriations, 1967—
military procurement, report, 2014
supplemental, military procurement and construction, etc.—
hearings, 7799
law, 9035
reports, 6087, 7665, 7667, 7673
appropriations, 1968, military procurement—
hearings, 7797, 9149
law, 12164
reports, 7786, 10570, 10575, 10611
- Armed Forces Day, 1967, report, 9364
- automation of troop control, methodological problems, USSR study, 8273
- AWOL and consequences, 5736
- capsule facts for Armed Forces (series), 8873-74, 10247-250, 11974-980, 13279-285, 15905-923 17367-370.
- code of conduct, Army pamphlet, 1764
- commissioned officers in combat zones, increase combat pay exclusion, law, 452
- courts martial manual, 1951, addendum, changes, 973, 9361
- defense procurement circular, 3194
- defense supply procurement regulation, revision, 3196
- dependency and indemnity compensation for survivors, amend U.S. Code—
law, 367
report, 901
- dependents—
Defense Department education overseas, report, 16322
educational scholarships, loans and financial aids, general information, 1
- Exemplary Rehabilitation Certificates, award to individuals discharged under conditions other than honorable, etc., authorize, amend U.S. Code—
law, 404
reports, 626, 908
- facilities and areas and status of U.S. Forces in Korea, agreement, 8726
- Federal voting assistance act of 1955, amend, report, 13817
- fighting man's code, 13286
- former members, disability severance pay, recoupment requirements, modify, report, 14940
- health benefits program for—
active members and dependents, report, 14941
retired members and dependents—
law, 365
report, 664
- Interest lost on deposit accounts of enlisted members, adjust—
law, 451
reports, 686, 932

Armed Forces—Continued

Italian, World War II records, guide, 17028
 legislation affecting, 89th Cong., 2d sess.,
 hearings, title page, contents, and in-
 dex, 2041
life insurance—
 government program, annual report, 8779
 servicemen's group, annual report, 8778
mailing privileges—
 additional—
 hearings, 10670
 report, 10613
 provide better overseas service, law, 438
 medical and dental officers, provide promo-
 tion opportunities, report, 14943
members—
 dependents, dental care needs, hearings,
 16306
 house trailers and mobile dwellings, pro-
 vide transportation costs, amend
 U.S. Code, reports, 629, 657
 retirement in highest grade satisfactori-
 ly held, amend U.S. Code, report, 14939
 voluntarily extending tour of duty in
 hostile fire area, authorize special
 30-day period of leave—
 hearing, 716
 law, 448
 military symbols, field manual, 10261
 obstructing, in time of undeclared war,
 make punishable, reports, 2017, 2019,
 10618, 12263
 personnel, accommodations on commercial
 air carriers while on authorized leave,
 subcommittee report, 4525
 postal services, Vietnam and Thailand, on-
 site inspection, report, 4505
 procurement regulations, 3040
 supplements, 6139, 7846, 16456
 qualification test provides clue to how
 good our schools are, 1005
 reemployment rights of Federal employees
 who perform duty, 3936
 retired serviceman's family protection
 plan, 7375
 retirees, law on employment as civilians
 with Air Force, 5697
 savings deposit program, allotments for
 missing persons, etc., reports, 16266,
 17626
 servicemen, 5-cent commemorative postage
 stamp, 1st day ceremony (address),
 1556
 supplies and services provided by DSA,
 7858
 teaching, Protestant religious education
 program, 17706
 theory of decisions and control of troops,
 USSR study, 15366
 U.S. troop deployment in Europe, to ex-
 press sense of Senate, hearings, 13863
 unified action, principles, doctrines, etc.,
 covering, 16730
uniformed services—
 health benefits program, 13287
 joint travel regulations, 3455
**VA-Armed Forces Pulmonary Diseases Re-
 search Conference, transactions, 13172**
 women officers, remove promotion restric-
 tions, etc., amend U.S. Code—
 hearing, 9148
 report, 10565
see also Pay, allowances, etc.—Reserve
 components of Armed Forces.
**Armed Forces Day, 1967, Armed Forces re-
 port, 9364**
**Armed Forces Industrial College, see In-
 dustrial College of Armed Forces.**
Armed Forces Information and Education :
 DOD pamphlets, 7374-75, 8873-74, 10247-
 250, 11974-980, 13279-287, 15905-923,
 17367-370
 voting information bulletin, 4040

Armed Forces Institute :

bulletins, 6156, 16475, 17707
 manual, 7845
 study guides, 974, 9362-63, 12438, 15180,
 17687
 supply announcement, 16476
**Armed Forces Institute of Pathology, leaf-
 lets of Medical Museum, 2153, 12442**
**Armed Forces Voters Day, designate, report,
 13817**
Armed services, see Armed Forces.
Armed Services Committee, House :
 activities, report, 724
 calendar, 3471
 Civilian Advisory Panel on Military Man-
 power Procurement, report, 6028
 committee prints, 6028, 6032, 7739, 12288,
 13699, 16313
 hearings, 713, 715-723, 2042-44, 4524,
 4526, 6029-31, 7737-38, 9147-49,
 10636-639, 12289, 13695-698, 16306-
 312, 17590, 17592-593
 title page, contents, and index, 2041
 investigations and studies, procurement,
 etc., by Defense Dept.—
 authorization, report, 6009
 expenses, reports, 7677, 14979
 laws, 89th Congress, 1st and 2d sessions,
 4523
 organization meeting, 90th Congress, 6029
 reports, 626, 629, 682-687, 689, 692, 2016,
 2025, 6012, 7665, 9117, 10555, 10564-
 565, 10569-570, 10608, 13684, 14936-
 944, 16229, 16262, 16266, 16268-271,
 16281
 reports, index, 4522
 statement of Secretary Robert S. Mc-
 Namara on 1968-72 defense program
 and 1968 defense budget, 4527
 subcommittee reports, 714, 4525, 10635,
 13698, 17591
Armed Services Committee, Senate :
 calendar, 3490
 committee prints, 2105-7, 4629-30, 10809-
 815
 hearings, 940, 942, 944, 954, 958, 2108,
 7796-97, 7799, 9304-6, 10807-808,
 10816, 13843, 13863, 15148-149, 16394-
 395, 17637, 17639-640
 investigations and studies, authorization,
 report, 4606
 reports, 907-908, 919-922, 926, 932-936,
 2082, 2101, 4586, 6087, 7786, 9277,
 10744, 10747, 16371, 17625-626
**Armed services papers, 714-724, 2042-44,
 4524-26, 6029-31, 7737-38, 9147-49,
 10635-639, 13695-698, 16306-312,
 17590-593**
 title page, contents, and index, 2041
**Armenian Soviet Socialist Republics, Acad-
 emy of Sciences, annual meeting eval-
 uates recent work, 9636**
Armistic line, Israel-Lebanon, 11829
Armor :
 material, personal, ballistic test facility,
 military standard, 9375
 operations, Army technical manual, 101
 Armour and Co., wage chronology, 1359
 Armrests, automotive vehicles, Federal stand-
 ard, 6328
**ARMS, see Aerial radiological measuring
 survey.**
Arms (firearms), see Firearms—Munitions.
Arms control, see Disarmament.
Arms Control and Disarmament Agency :
 annual report, 1966—
 departmental edition, 13288
 document edition, 13549
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 reports, 10616, 16372
 design study, 15924
 research and studies, report, 4191
 telephone directory, 15764

INDEX 1967

- Armstrong, George T., calculation of heating value of sample of high purity methane for use as reference material, 2743
- Army:
- acquisition and installation of computers by Army, Pacific, GAO review, 9552
 - aircraft—
 - fixed wing cargo, restraint design criteria, analysis, 10289
 - maintenance quality control and technical inspection guide, technical manual, 8893
 - airfield-heliport design, general provisions and criteria, technical manual, change, 10274
 - armies and social progress, USSR study, 1327
 - Army technical library improvement studies, report 2, 10265
 - audio-visual support center operations, field manual, 4206
 - aviation—
 - air transport operations, 11986
 - digest, 3996
 - divisional battalion and group, field manual, 10259
 - maintenance engineering manuals, 4218, 7400, 8892, 10282
 - meteorology applicable, technical manual, change, 7390
 - utilization, field manuals, 4203, 15935
 - CH-34 helicopter, DS, GS, and depot maintenance manual, 7401
 - Chief of Staff, appointment, etc.—
 - law, 12164
 - report, 10611
 - civilian aides to Secretary of Army, 13th national conference, summary, 15944
 - crafts program, 4th dimension is you, career opportunity, 7382
 - desserts recipes, technical manual, 8886
 - digest, 3042
 - drill and ceremonies, field manual, 5728
 - enlisted members, computing retired pay, report, 16270
 - enlisted personnel, promotion system, Army pamphlet, 10266
 - facilities, basic criteria and construction standards, technical manual, 4213, 10270
 - field press censorship, manual, 13293
 - field radio relay techniques, manual, 5729
 - food adviser, technical manual, 14802
 - food, preparation and serving in garrison mess, technical manual, 7397
 - installations and major activities in continental U.S., list, 14795
 - Judge Advocate legal service, pamphlets, 3461
 - logistics 1775-1953, sinews of war, 1397
 - manpower—
 - monograms for policy evaluation, 4227
 - rotation policy models, 7404
 - materials, transfers of excess to Marine Corps, expedited procedure, GAO review, 14163
 - mathematicians, 12th conference transactions, 8876
 - military personnel—
 - dependents traveling to oversea areas, information, pamphlet, 1765
 - ordered to—
 - Alaska, helpful hints, 8882
 - Canal Zone, Southern Command, helpful hints, 14797
 - Germany, helpful hints, 13299
 - Japan, helpful hints, 7387
 - Korea, helpful hints, pamphlet, 14798
 - Puerto Rico, Southern Command, helpful hints, 17384
 - Ryukyu Islands, helpful hints, 7388
 - Southern European Task Force (Italy), helpful hints, 11991
 - policies, digest, pamphlet, 17382
 - personnel, unit officer's guide, Army pamphlets, 10269, 15942
- Army—Continued
- procurement and production, manufacturing methods and technology, 5-year program, 15943
 - procurement legal service, pamphlets, 5737, 7389, 8883-84, 13300, 14799-800
 - procurement of light observation helicopters—
 - review, hearings, 12289
 - subcommittee report, 13699
 - procurement procedure, changes, 1753, 8875, 10254
 - publications, price list, 15669
 - recruiting and career counseling journal, 3812
 - register, Jan. 1, 1967—
 - departmental editions, 8896A, 10284-285
 - document editions, 9052, 10502-503
 - research and development—
 - magazine, 3043
 - series, 4219A
 - resources, emergency employment, natural disaster activities, 17735
 - rifle procurement and distribution program—
 - hearing, 10807
 - report, 10810
 - scientific & technical information program, 13306
 - signal construction battalion, field manual, 4205
 - signal large headquarters, operation company, field manual, 15937
 - sites, engineering weather data for heating and air conditioning design, etc., 11947
 - squad leaders guide, pamphlet, 11988
 - this is the Army, general information, career opportunities, etc., 11989
 - troop movement guide
 - Army technical manual, 17387
 - troop topics, 4212, 14796, 15939, 17381
 - United States Army in—
 - Europe, availability of selected stocks for requirements of other commands, Army Dept., GAO review, 8140
 - South Vietnam, status report, 10814
 - World War II, 5096
 - Army Audit Agency, bulletin, 3982
 - Army Aviation Materiel Laboratories, technical reports, 116-117, 1773, 4220-23, 5747-49, 7408-11, 8897-98, 10286-293, 1196-998, 13307-310, 15955, 17388
 - Army Department:
 - acquisition and installation of computers by Army, Pacific, GAO review, 9552
 - annual report, 2149
 - appropriations, 1967, public works law, 403
 - appropriations, 1968—
 - military construction, hearings, 16305
 - public works—
 - hearings, 10634, 16393
 - report, 13678
 - Army regulations, 4194, 14790, 17373
 - Army Tank-Automotive Command, Warren, Mich., actions to improve financial management system, GAO report, 17810
 - Assistant Secretary, nomination of Eugene M. Becker, hearing, 15148
 - availability of selected stocks of United States Army in Europe, for requirements of other commands, GAO review, 8140
 - chief and executives, organization chart, 3393
 - civilian career opportunities for college graduates, 8877
 - civilian personnel pamphlets, 5723-24
 - Enlisted Evaluation System, 17381
 - field manuals, 100-102, 1757-62, 4203-9, 5726-30, 8881, 10259-263, 11985-986, 13293, 15935-938
 - management of aircraft repair parts reserved at depots in U.S., GAO review, 9555

- Army Department—Continued
pamphlets, 103, 1763-65, 3461, 4211-12,
5732-37, 7383-89, 8882-84, 10264-269,
11987-991, 13294-300, 14795-800,
15939-942, 17380-384
publications, price list, 15669
technical manuals, 105-115, 1767-72,
4213-18, 5740-46, 7390-7402, 8885-94,
10270-282, 11994-995, 13301-304,
14801-803, 15945-954, 17386-387
transportation and travel, worldwide
cargo costs guide, pamphlet, 17380
water resource projects under jurisdiction,
change in name—
law, 12181
reports, 9297, 13630
Army Engineer Division, North Pacific, tech-
nical reports, 2201, 4729, 10949
Army Engineer Research and Development
Laboratories, news releases, 3718
Army historical series, 1397
Army Human Factors Research & Develop-
ment Conference, 1966, proceedings, 4219
Army installations, *see* Installations (mili-
tary).
Army Map Service, briefing map of South-
east Asia, print as House document, re-
port, 16228
Army Materiel Command:
AMC pamphlets, 95, 1749-51, 3843, 4192,
5721, 7376, 10251-252, 11981, 13280,
14788, 15927-928, 17372
contractors guide, 8880
employment bulletin, 13305
manufacturing methods and technology,
5-year program, 15943
military publications and blank forms, in-
dex, 10251
program evaluation and review technique
(PERT), Army programs, 1752
publications and blank forms, indexes, 95,
5721, 13289, 15927
regulations, AMCR (series), 1752, 14789,
15929
reports, register of approved recurring re-
ports, 1749, 7376, 11981, 14788, 17372
safety manuals, 14789, 15929
Army Medical Research and Nutrition Lab-
oratory:
Fitzsimons General Hospital, reports,
120-122, 5753-54, 7412-15, 10295,
14806-807
reports and reprints, bibliography, 7416
Army Medical Service:
annual report, 1966 fiscal year, 15956
internship program, benefits, etc., 10294
physical therapists, educational oppor-
tunities, 4230
Army National Guard, *see* National Guard.
Army Personnel Research Office:
research publications, 1966, abstracts, 7405
USAPRO technical research notes, 118,
4224-26, 5750-51, 7403-5, 10282A-283
USAPRO technical research reports, 119,
4227-28, 5752, 7406
Army Research Office (Durham):
reports, 96, 8876
research in progress, 11993
Army Reserve magazine, 3044
Army Security Agency, command safety pro-
gram manual, 15934
Army Strategic Communications Command:
new headquarters at Fort Huachuca, Ariz.,
6155
technical manual, 7377
Army Transportation Engineering Agency,
USATEA reports, 14805
Army Transportation Research Command,
technical report, 8895
Armyworms, fall, mass rearing in laboratory,
8805
Arnett, Alvin J., proceedings of Merchant
Marine Council, 3773, 12125
Arnhoff, Franklyn N., current status of
mental health personnel supported under
National Institute of Mental Health train-
ing grants, 2839
Arnold, Charles J., relief, 7637
Arnold, Dean E., marking fish with dyes and
other chemicals, 4812
Arnold, Dorothy E., measurement of serum
ionic calcium using specific ion electrode,
13271
Arnold, J., mathematical computer programs,
5196
ARO, *see* Aerospace Research Office.
ARO-D reports, 96, 8876
Aromanto, Tony, Atlantian, 3049
Aromatic compounds, polyaromatics con-
verted into structural material by iso-
static compression process, 12898
see also Hydrocarbons.
Aroostook County, Maine, Island Falls quad-
rangle, bedrock, geological-geophysical
investigations, 6401
Arousal as factor in reminiscence, 9981
Arpsal, Dale J., controls analysis of nuclear
rocket engine at power range operating
conditions, 11525
Arresters, *see* Lightning arresters.
Arrests, Immigration and Naturalization
Service officers authorized to make arrests,
15318
ARS series, 2-9, 1672-74, 4083-86, 5616,
7241-52, 8803-8, 10147-156, 11915-922,
13190-203, 14733, 15824-827, 17299-300
Arsenic stereochemistry of organic com-
pounds, USSR study, 1209
Art:
battle art, AEF, 1918, exhibition, 8680
National Foundation on the Arts and the
Humanities, purpose and activities as it
pertains to the arts, 6927
NAVNEWS 1967 portfolio, 7025
addendum, 17098
Stanton Macdonald-Wright, retrospective
exhibition, 11595
State arts activities, summary, 6930
works and reproductions, catalog of copy-
right entries, 968, 2141, 6137, 17682
see also Paintings.
Art and Antiquities of Capitol Commission,
establish, report, 9274
Arteries:
anatomy and DC characteristics of system,
with introduction to AC characteristics,
11405
carotid and femoral, blood flow in hyper-
thermic cats, 5710
Artesian water in Tertiary limestone in
Southeastern States, 6399
Arthritis, arthritis and rheumatic diseases
abstracts, 3045
see also Osteoarthritis—Rheumatoid ar-
thritis.
Arthropod borne diseases, reported incidence
of arthropod borne encephalitis of equine
in United States, 1965 calendar year, 7255
Arthur, H. B., United States food and fiber
system in changing world environment,
18144
Articles of Confederation, text, 10691
Artifacts, *see* Paleontology.
Artificial blood circulation, *see* Blood.
Artificial intelligence, techniques, applica-
tions to spacecraft control problem, 12854
Artificial kidneys:
bibliography (periodical), 11718
what it is, how it works, 18152
Artificial recharge of ground water (series),
16700
Artificial satellites, *see* Satellites.
Artists, Isleta paintings, artist in pueblo
society, letters, etc., 14547

INDEX 1967

- Artists' materials, national defense education act, loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
- Arts. Advisory Committee on, *see* Advisory Committee on the Arts.
- Arts and crafts:
Army crafts program, 4th dimension is you, career opportunity, 7382
Indian and Eskimo sources, list—
 individuals, 12640
 organizations, 12639
opportunities for girls (address), 8796
promote progress of useful arts, report of President's Commission on Patent System, 2796, 6053
 print as Senate document, report, 4598
see also Handicraft.
- Arts and the Humanities, National Foundation on, *see* National Foundation on the Arts and the Humanities.
- Aryl compounds, arylsiloxane copolymers, 9843
- Asaad, Blanche L., relief, 576
- Asaad, Ezzat N., relief, 575
- Asbell, Bernard:
 medical training costs too much, 10934
 new directions in vocational education, case studies in change, 17719
- Asbestos:
 chrysotile, lizardite, and antigorite, solution studies, 8160
 colloidal fibrils as reinforcements for polymeric structures, 16914
 phenolic impregnated, debulking and curing, improved method, 1457
- Asch, Antonina R., relief, 10547, 13518, 13754
- Ascorbic acid, *see* Vitamins.
- ASCS, *see* Agricultural Stabilization and Conservation Service.
- ASCS background information BI series, 19, 5621, 8816-17, 13207
- ASECNA, *see* Safety of Air Navigation in Africa and Madagascar Agency.
- Ash (tree):
 dieback, detection and classification on large-scale color aerial photographs, 8116
 seed bed density affects size of 3-0 green ash nursery stock, 14095
- Ash trays, *see* Trays.
- Ashby, Charlotte M., cartographic records of Forest Service, 14510
- Ashe, Hubert, relief, 13622
- Asher, Janice M., use of computers in analysis of experimental data and control of nuclear facilities, 14808
- Ashes:
 coal ash, spectrochemical analysis, 14242
 fly ash utilization, symposium, proceedings, 14329
- Ashizawa, Roy Y., mineral industry of Hawaii, 2553
- Ashley, Burton E.:
 mineral industry—
 British Honduras, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama, 14331
 Ecuador, French Guiana, Paraguay, and Uruguay, 11361
 Islands of Caribbean, 14332
 Mexico, 12804
- Ashley, Victor L., relief, 13591
- Ashville, Ala., bauxite deposits, 2356
- Asia:
 arms sales to South Asian countries, hearings, 15155
 Asia, Pacific and United States, hearing, 6099
 central and southeast, study mission, report, 9181
- Asia—Continued
 central, deserts—
 description, 16777
 formation, and nature of Sinkiang, study, 6585
 geographical study, 2434
 contributions to hydrology of Asia and Oceania (series), 11187
 East Asian and Pacific series, 7143, 8713-16, 11822-824, 13137-138, 146752-673, 17218-220, 18228-229
 east, functional bibliography, 5526
 health information for travel, 13078
 maps of continent, including indexes, etc., 16153
 print as House document, reports, 16228, 16359
 market indicators, 9013
 Pacific Coast, tidal current tables, 16087
 peace in Asia, importance, message from the President, 16163
 promise of new Asia, U.S. policy in Far East as stated by President Johnson, 2880
 rural development, hearings, 7745, 13705
 south—
 functional bibliography, 11832
 market profiles, 13456
 regional mineral industry review, minerals yearbook chapter, 8373
 south and east, translations, 3965
 southeast—
 background information, revision, 13860
 Government-owned vessels supporting military activities, potential savings in financing, Maritime Admin., GAO report, 14157
 maps, including indexes, etc., 16153
 print as House document, reports, 16228, 16359
 military construction appropriations, 1968, hearings, 16305
 military construction authorization, 1967, supplemental hearings, 7799
 military construction authorization, 1968—
 hearings, 13695, 16395
 law, 17555
 reports, 13684, 13688, 16284, 16371
 military operations, supplemental appropriations, 1967—
 hearings, 6031
 proposal, 4492
 neutralization, problems and prospects, study, 2116
 resolution to promote maintenance of international peace and security, hearing, 934
 selected functional and country bibliography, 13141
 U.S. Air Force tactical air operations, report, 10813
 U.S. Navy and Marine Corps status, report, 10815
 visit of special subcommittees, reports, 714, 10635
 United States trade, Communist areas, 16108
 weather records, 9435
 west, agricultural situation—
 midyear reviews, 991, 16494
 1968 review and 1967 outlook, 10924
- Asian Development Bank:
 appropriations, 1968, hearings, 15014
 establishing agreement, 5539
 inaugural meeting (statement), 2957
 United States contribution, authorize—
 hearings, 17630
 message from the President, 16163
- Asimov, Isaac, critique on life in 1990, article from Literaturnaya gazeta, 12729
- Aspect ratio, *see* Wings (aircraft).

Aspen:

influence of growth media, temperatures, and light intensities on root and top growth, 14091

quaking, veneer yields from Lake States, 1095

site index table in southern and central Rocky Mountains, 2310

wood characteristics, properties, and uses, review of recent literature, 14134

Asphalt, winter construction practices, earthwork, survey, 98

see also Roofing.

Aspirators, use to increase relief valve poppet stroke, 12890

ASPS series, 6139, 7847, 16456

Assateague Island National Seashore, general information, 15608

Assaying:

assigning area of influence for assay obtained in mine sampling, 12815

correlation between assay values and unequal sample internal values, investigation, 2571

fitting surfaces to assay and other three-dimensional data by quadratic-regression analysis, computer method, 2580

linear discriminant analysis of multivariate assay and other mineral data, 6680

mine and mineral-deposit sample and assay data analyzing, statistical techniques, 14322

see also Radioassaying.

Assemblies, *see* Weapons.

Assessments, *see* Taxation.

Assets and liabilities, *see* Banks and banking—Federal reserve member banks—Sales.

Assets of poor and near poor, 7130

Assistance, *see* Public assistance—Social work and problems.

Associate training programs in medical and biological sciences at National Institutes of Health, 5420

Association and Industry Management Service for Small Business, general information, 15729

Association of Ideas, paired-associate learning experiments, confidence in recall, 13262

Astacidae, *see* Cambarus.

ASTM, *see* American Society for Testing and Materials.

Astronomy, problems, 14501

Astronautics:

chronology on science, technology, and policy, 1441

Earth-Mars-Earth flight, minimum time with unregulated low-thrust engine, USSR study, 17881

effects of space-flight factors on—functions of central nervous system, 12973

some bodily functions, USSR study, 2439

manned space flight—biological problems, USSR study, 6485

biomagnetic considerations, 16911

cardiovascular and respiratory reactions of crewmen during Voskhod-2 orbital flight, 6555

dental kit encasement for use on space missions, 17353

emergencies and space flight safety, survey, 9171

emotional state of man, analysis of intonational characteristics of speech as criterion, 6507

extended time periods, life support system, 1425

feeding systems, characteristics, concept for improvement, and public health implications, 15898

medical and biological problems, USSR study, 1315

Astronautics—Continued

normal human serum parameters during, 7341-42

Project Apollo, NASA facts, 8431

Project Mercury, history, 8438

Projects Mercury and Gemini, NASA facts, 17949

near-space environment, 11575

news of Soviet aviation and cosmonautics, 1311

space flight investigations—

and research, summary, 17021

opportunities for participation, 11576, 17018-19

use of Jupiter gravity turns for tailoring trajectories to Saturn with consideration of launch opportunities, 2692

space vehicle flight control systems, analysis and design, 12871-876, 14383-384, 15497-503

see also Bioastronautics.

Astronauts:

capabilities to perform extravehicular functions in weightless conditions, 15507

extravehicular protection and operations, study, 12859

incidence of ear, nose, and throat diseases in candidates, 14781

lunar explorers, self-locomotive performance based on experimental reduced-gravity studies, 11501

magnetic fields of planets, spacecraft and outer space, effects, 16911

NASA space flight team, 11423

pilot controlled docking simulation of Apollo command and service module with lunar module, 2689

piloted simulation study of manual guidance of upper stages of large launch vehicle, 9887

response speed, frequency, and flexibility, review, analysis and device demonstration, 16904

Voskhod-2 orbital flight, cardiovascular and respiratory reactions, 6555

Astronomers:

examination announcement, amendment, 17453

Polish Society of Amateur Astronomers, statute, 17863

Astronomical observatories, Rumanian Academy of Sciences, activities, 1290

Astronomy:

astronomical phenomena, 2769, 15622

astronomy in space, 8434

distance responses by Air Force Officers in mental status examinations, 4174

Soviet bloc research (periodical), 3886

X-ray, celestial sources, high angular resolution studies program, 8428

see also Astronomy.—Stars.

Astrophysics:

American meteorological Society abstracts, 3636

Byurakanskaya Astrophysical Observatory, USSR, general information, 1198

problems, USSR studies, 5276, 15582

research opportunities, 1967-68, Smithsonian Astrophysical Observatory, Cambridge, Mass., 1601

Smithsonian contributions, 2859, 8683, 18204

Asymptotic expansions, *see* Mathematics

Asymptotic methods in theory of linear differential equations, 12976

Asymptotic solutions, *see* Mathematics.

Atchafalaya River and Valley:

engineers report—

departmental edition, 15224

document edition, 14930

Gulf outlet, navigation maps, 8383

Ateles geoffroyi, *see* Monkeys.

Athens, Greece, desalting for, preliminary study, 10314

INDEX 1967

- Atherosclerosis, experimental, metabolism of nucleic acids, phosphoproteins, and phospholipids of liver, USSR study, 1275
- Athletic goods, *see* Sporting goods.
- Atkinson, William A., clearcut harvesting costs and production rates for young-growth mixed-conifer stands, 4841
- Atlanta, Ga.:
 - area wage survey, 14291
 - stresses in rock outcrops, 1409
- Atlantian (periodical), 3049
- Atlantic alliance:
 - concert and conciliation, next stage (address), 18232
 - current views, 10838
 - unfinished business, 6108
- Atlantic Coast:
 - coast pilots—
 - Cape Cod to Sandy Hook, 7556
 - Cape Henry to Key West, *supp.*, 5943
 - Eastport to Cape Cod, *supp.*, 5942
 - Gulf of Mexico, Puerto Rico, and Virgin Islands, 17467
 - supplement, 7553
 - Sandy Hook to Cape Henry, 4414, 7557
 - Continental Shelf and slope, geologic background, 4889
 - hurricane survey, engineer reports—
 - Beaufort Inlet to Bogue Inlet, N.C.—
 - departmental edition, 2293
 - document edition, 1936
 - Bogue Inlet to Moore Inlet, N.C.—
 - departmental edition, 2204
 - document edition, 1997
 - Cape Fear to North Carolina South Carolina State line—
 - departmental edition, 2205
 - document edition, 2005
 - light lists—
 - Little River, S.C. to Rio Grande, Tex., and Antilles, 12123
 - St. Croix River, Maine, to Little River, S.C., 14877
 - nautical chart catalog, 4415
 - North America, tidal current tables, 215, 16086
 - storm warning facilities chart—
 - Cape Hatteras, N.C. to Brunswick, Ga., 14718
 - Eastport, Maine to Montauk, N.Y., 14719
 - Manasquan, N.J. to Cape Hatteras, N.C. and Chesapeake Bay, 14720
 - Montauk Point, N.Y. to Manasquan, N.J., 14721
 - transportation lines, 13984
- Atlantic community, selected bibliography, 15752
 - see also* Organization for Economic Co-operation and Development.
- Atlantic Fleet, status and combat readiness, report, 10812
- Atlantic Ocean:
 - North—
 - southwestern, collection by exploratory fishing vessels, correction, 8035
 - station Charlie, oceanographic observation, 10444
 - trawl nets, 15256
 - northwest—
 - fisheries convention of 1949, multilateral understanding, protocol, 2896
 - inventory of exploratory longline fishing effort and catch rates for tunas and swordfish, 14063
 - water masses and density stratification, atlas, 11629
 - notice to mariners, 3641
 - radio navigational aids, changes, 5336, 9974, 11646, 14580, 18102
 - radio weather aids, changes, 1540, 9975, 14581
 - tropical—
 - Equalant III data report, 8569
 - seabirds, identification manual, 2752
 - western, snappers, field guide, 8019
- Atlantic Pacific Interoceanic Canal Study Commission:
 - annual report, 14929
 - appropriations, 1967—
 - decrease, amendment, 10496
 - law, 403
 - appropriations, 1968—
 - hearings, 10634, 10393
 - report, 13678
 - appropriations, 1968, authorization, increase—
 - hearing, 12403
 - report, 12367
 - investigations and studies, sea level canal site, final report, extend termination date, hearings, 10664
 - termination date, extend—
 - hearing, 12403
 - report, 12367
- Atlantic Scientific Research Institute for Fisheries and Oceanography, USSR, economic-mathematical and cybernetic research at AtlantNIRO, 1202
- Atlantic States:
 - Coastal Plains Economic Development Region, designating (remarks), 1955
 - floods, South Atlantic slope basin, Ogeechee River to Pearl River, 2374
 - Mid-Atlantic power failure, June 5, 1967, hearings, 13850
 - Middle, fisheries, annual summary, 8017
 - north Atlantic slope basins, surface waters, quality, 8184, 17834
 - south—
 - fisheries, annual summary, 9505
 - strawberry culture, 1685
 - south Atlantic slope basins, surface waters, quality, 8184, 17834
- Atlantida, case study in household sample surveys, 182, 1885, 4360, 7497, 10387
- Atlantida, un estudio de caso en encuestas de hogares por muestra, 5898-99, 7496
- AtlantNIRO, *see* Atlantic Scientific Research Institute for Fisheries and Oceanography, USSR.
- Atlases:
 - atlas of off-road ground roughness P.S.D.'s, etc., 4195
 - catalog of copyright entries, 12433
 - congressional districts, 90th Congress, 1858
 - Indian Ocean, interpolated values of depth, salinity, etc., 15624
 - isothermal and isophotic atlas of moon contours through lunation, 16894
 - July oceanographic conditions in north-east Pacific Ocean, 8041
 - oceanographic, Tampa Bay and adjacent waters of Gulf of Mexico, 12545
 - water masses and density stratification, western north Atlantic Ocean, 11629
 - world atlas of atmospheric radio refractivity, 4747
- Atmosphere:
 - atmospheric data, mixed frequency distributions, estimation, 12947
 - atmospheric emissions from nitric acid manufacturing processes, 5428
 - atmospheric transmission of infrared radiation from 2-5 microns for slant paths from 35,000 ft. to upper limit of atmosphere, survey, 12931
 - combustibility of materials in oxygen-hellum and oxygen nitrogen atmospheres, 5706
 - controlled—
 - fruit storage, development, 7959
 - quality and display life of carnation blooms after storage, 15863
 - density between altitudes of 180 KM and 300 KM, investigation, 8860
 - effects on—
 - characteristics of maximum-size radio-telescopes, USSR study, 5012

Atmosphere—Continued

- effects on—continued
 - intestinal and skin flora—
 - experimental data, 9799
 - literature survey, 2613
- errors in microwave azimuth measurements, experimental study, 2224
- fire protection problems for special atmospheres, including oxygen, 17816
- flammable, temporary lights, maritime safety data, 17889
- hyperbaric, containing oxygen, nitrogen, and/or helium, flammability of materials, preliminary studies, 11675
- investigating with rockets and satellites, methods, 6911
- lower 100-m layer, recurrence of temperature and wind velocity combinations, experimental calculation, 11565
- Mars, feasibility study of experiment for determining properties, 14371
- Martian, water vapor, particulate matter, and carbon dioxide profiles, flyby measurements, 15569
- metastable molecules, 4153
- naval weather service computer products manual, 15618
- nuclear submarine, purification and control, chemical research status, annual progress report, 17084
- optical radar measurements, 8420
- oxygen-helium, man's exposure—
 - behavior factors, 86
 - clinical observations, 90
 - enteric microbial flora, 79
 - excretion of steroids and catechola mines, 7366
 - exercise and cardiovascular response, 88
 - feeding bite-size foods, 82-83
 - heat exchange, 81
 - introduction and general experimental design, 91
 - major and minor atmospheric components, 89
 - oral, cutaneous and aerosol bacteriologic evaluation, 84
 - renal response, 87
 - respiratory function, 80, 92
 - selected blood enzyme response, 85
- Park Range atmospheric water resources program, phase I, 11774
- particle, improved analyzer, 15529
- planetary—
 - outgoing infrared radiance, theoretical computations, 14457
 - predictions of shock-layer radiation from molecular band systems, 6890
 - structure, from on-board measurements of pressure, etc., 9904
 - Venus and Mars, investigation, 5276
- prebiological, thermodynamic equilibrium, 11426
- recycled, removal of strong acid gases by dry-packed beds, 5350
- safety in industry, maritime safety data for shipyards, shipboard ventilation for hazardous atmospheres, 8299
- space-cabin atmospheres—
 - engineering tradeoffs of one-vs.-2-gas systems, literature review, 12879
 - oxygen choice for spacecraft, Apollo accident, hearings, 6088-89, 9299, 10796, 12396
 - physiological factors of inert gases, 9823
 - selection, engineering criteria, 16912
- tissue oxygenation during hemorrhage in dogs breathing 1 and 3 atmospheres of oxygen, 15895
- trace contaminants in closed ecologic atmospheres, analysis, 7356
- tropospheric radio duct meteorology at VLF and UHF in theory and as observed on trip around world, 1551
- U.S. standard atmosphere—
 - 1962, corrigenda, 17023
 - supplements, 17024

Atmosphere—Continued

- upper—
 - microorganisms, 66-68, 1732-33
 - radioactivity sampling, agreement with Australia, 5538
 - sampling radioactivity by means of balloons, agreement with Australia, 2923
- water—
 - substance continuity, water formations, etc., 15231
 - vapor observations, 5362
 - yield increase through technology development plan, 5480
- what should cosmonauts breathe? USSR study, 5019
- see also Mesosphere—Stratosphere.
- Atmospheric electricity, recording, use in fog forecasting, 8590
- Atmospheric entry:
 - Apollo aircraft, infrared equipped for reentry tracking, navigation accuracy, 1507
 - deduction of reentry plasma properties about manned orbital spacecraft from radio signal attenuation data, 14494
 - entry flight aerodynamics from Apollo mission AS-202, 17009
 - heat-transfer measurements on rotor blade of rotor entry vehicle model, 12965
 - high-drag entry shapes, aerodynamic investigation at Mach 15.4, 16986
 - laminar separations using Crocco-Lees mixing parameter, analytic method, investigations, 9806
 - landing characteristics of dynamic model of HL-10 manned lifting entry vehicle, 2685
 - lateral-directional handling qualities of piloted re-entry vehicles, 12860
 - planetary atmospheres, prediction of shock-layer radiation from molecular band systems, 6890
 - planetary entry, heat-transfer and temperature distribution of conical porous membrane, 11554
 - reentry trajectories, ballistic, at velocity of 50,000 f.p.s., 12932
- Atmospheric pressure:
 - high ambient pressure, effects on breathing, 12792
 - hypobaric and hyperbaric pressure effect on cell permeability, initial observations, 7356
 - low pressure normoxic environments, effect on oxygen uptake in mice, 76
 - upper stratosphere and mesosphere, measurements, 17012
- Atmospheric refraction, world atlas of atmospheric radio refractivity, 4747
- Atmospheric Research, National Center, see National Center for Atmospheric Research.
- Atmospheric Turbulence and Diffusion Laboratory, ESSA technical memorandum, IERTM-ATDL series, 9427
- Atomic absorption:
 - determination of gold in geologic material by atomic absorption spectrometry, 16688
 - spectrophotometry, modified method for determining uranium isotopes, 13268
- Atomic auxiliary power generators, SNAP-8 alternator speed controller and alternator performance results, voltage distortion effects, 12956
- Atomic blasting:
 - nuclear explosives, possible use in construction of sea-level canal (remarks), 1819
- Plowshare program, civil, etc., used for nuclear explosives, 13342, 15962, 17394-398
- potential effects of Project Charlot on local water supplies, northwestern Alaska, 2369
- Atomic clocks, nuclear clocks, description, use, etc., 7442

INDEX 1967

Atomic debris, *see* Radioactivity.
 Atomic energy:
 act of 1946, compilation, 1979
 animals in atomic research, uses, etc., 15977
 atoms and the ocean, role of nuclear energy in exploring, etc., radionuclides in ocean, 15978
 civilian nuclear power, report to the President, 1962, 1967 supplement, 7436
 code of Federal regulations, 12521
 coolants for nuclear power, engineering installations, USSR study, 1260
 cooperation for civil uses, agreement with—
 Argentina, application of safeguards of IAEA, 2593
 Australia, 14687
 application of safeguards by IAEA, 7160
 Austria, 7171
 Brazil, 7167
 China, Republic, 2929
 Indonesia, 7165
 Iran, 10103
 Israel, 7157
 application of safeguards by IAEA, 5533
 Philippines, 13144
 South Africa, 15801
 application of safeguards of IAEA, 17240
 Spain, application of safeguards of IAEA, 8736
 Sweden, 2910
 Switzerland, 2900
 Turkey, 2898
 cooperation, international agreements, hearings, 1973
 desalting and energy development and utilization, policy considerations, 15969
 dove variety (remarks), 7435
 energy dependence of free radical production in alanine, 1744
 energy required to produce electron hole pair in silicon by tritons, 1501
 fundamental nuclear energy research 1966, 4241
 high energy physics, physical research, summaries of projects supported by AEC, 13344, 15966
 industry and government, complementary roles (remarks), 131
 international conference on instrumentation for high energy physics, 1966, proceedings, 7419
 legislation through 89th Congress, 2d session, compilation, 4358A
 levels, X-ray, 17036
 nuclear education activities, guide, 5796
 nuclear energy for—
 electric power (remarks), 8914
 water desalting, bibliography, 12014
 nuclear facilities, routine surveillance, report, 7065
 nuclear industry—
 1966 report, 1816
 1967, report, 17406
 nuclear materials management, AEC-contractor meeting, 13316
 nuclear power—
 and Navy (remarks), 7439
 and Northwest (remarks), 1817
 briefing for coal industry, 8904
 for water desalination (remarks), 10313
 new look (remarks), 10310
 next decade of development (remarks), 8915
 policy and prospects (remarks), 1818
 sources, study, 7756
 2 years after Geneva (lecture), 133
 U.S. program (remarks), 8919
 nuclear power-desalting combination project—
 hearings, 7749, 7813
 laws, 375, 10487
 reports, 675, 6078, 7731, 9125

Atomic energy—Continued
 nuclear proliferation problem (remarks), 12020
 peaceful uses—
 new world, cooperative use of atomic energy (remarks), 12022
 nuclear energy, generation of progress (remarks), 12023
 of nuclear energy (remarks), 4243
 proliferation of peaceful atom (remarks), 10315
 power from radioisotopes, 7444
 products, current industrial reports, 16002
 program, in Lahore, Pakistan (remarks), 4244
 programs, major activities, 7437
 publications, price list, 1564, 17136
 reactor energy release by nonuniform fuel distribution, experimental study, USSR, 1295
 research progress reports—
 Agricultural Research Laboratory, University of Tennessee, progress report, 7425
 New Brunswick Laboratory, 13332
 Plasma Physics Laboratory, 13330
 scientific progress and application to have worldwide problems (remarks), 15974
 two partnerships for nuclear progress (remarks), 8918
 understanding the atom series, 7442-45, 15977-978, 17408-409
 index, 17409
 use, general information, 8912
 USSR, recent developments, 9623
 Atomic Energy Agency, International, *see* International Atomic Energy Agency.
 Atomic Energy Commission:
 AEC-contractor nuclear materials management meeting, 13316
 AEC-NASA liquid metals information meeting, 125
 AEC-NASA tech briefs, 5139-56, 6695-6704, 8384-8404, 9793-98, 11390-392, 12832-845, 14363-369, 15485-494, 16877-887, 17919-932
 AEC research and development reports, 123-129, 1774-1812, 4231-38, 5755-95, 7417-33, 8901-11, 10297-304, 12000-19, 13313-349, 14808-809, 15953-969, 17390-400
 AEC symposium series, 10297, 12003, 14808, 15959
 Air Cleaning Conference, Boston, Mass., Sept. 13-16, 1966, proceedings, 12004
 airborne radiometric reconnaissance, 1952-56, maps, 1801-3
 appropriations, 1967, public works—
 hearings, 939
 law, 403
 appropriations, 1968, amendments, 7600, 10509
 appropriations, 1968, authorizing—
 hearings, 9041, 10491
 law, 13536
 reports, 13635, 13642, 13792
 appropriations, 1968, public works—
 hearings, 12287, 16393
 report, 13678
 authorize grants to States for record-keeping system for radiation workers, hearings, 1974
 budget, 1968, decreasing, 9062
 cataloging reports, corporate author entries, 13345
 contracting for construction and architect-engineering services, guide, 13350
 controlled thermonuclear research, policy and action paper, 1806
 facilities, industrial accidents, 1956 revised summary, 15967
 film catalog (16 mm), professional level, 5800
 financial report, 17403
 fundamental nuclear energy, 1966 research, 4241

Atomic Energy Commission—Continued
 further research and development in nuclear domestic and international safeguards (remarks), 12020
 General Advisory Committee, commemoration of 100th meeting, 8913
Health and Safety Laboratory—
 fallout program, quarterly summary reports, 5774, 10299, 13324
 appendixes, 5775, 10300, 13325
 standard procedures manual, 1795, 13336
 high temperature thermometry seminar, papers presented, 129
 library, mechanization of legislative information, 5790
 licensing guide, 15957
 news release index, 13312
 nuclear power-desalting project, authorize—
 hearings, 7749
 laws, 375, 10487
 reports, 675, 6078, 7731, 9125
 physical research in physics and mathematics, summaries, 12015
 press releases, 3705
 programs, major activities, 7437
 report—
 departmental edition, 7434
 document edition, 7767
 research in high energy physics, summaries, 13344, 15966
 rules and regulations, 3050
 selected products in low-dose food irradiation program, cost-benefit study, 10302
 selling to AEC, errata, 4245
 Speaker Bureau for Washington Metropolitan area, availability of speakers, 5798
 specialized information and data centers, directory, 1814
 subject headings used in indexing nuclear science abstracts, 128
 telephone directory, 14810
 transferring control of land in Otowi section to—
 law, 407
 report, 4503
 uranium enrichment services and related matters, hearings, 1976
Atomic Energy Joint Committee:
 committee prints, 4458A, 13542
 hearings, 1972-76, 9041, 10491, 12184
 reports, 675, 13635, 13792
Atomic ordinance, Federal Item Identification guides for supply cataloging, supplements, 2293
Atomic power, see Atomic energy.
Atomic power plants, see Nuclear reactor power plants.
Atomic warfare:
 civil defense, protection against what, programmed orientation to civil defense, 13428
 damage effects estimation techniques, 13426
 nuclear defense, Army field manual, 1758
 radiological countermeasures ashore, 17068
Atoms:
 atom and evil, problem of nuclear proliferation (remarks), 12020
 atom in world affairs (remarks), 130
 atoms and the ocean, role of nuclear energy in exploring, etc., radionuclides in ocean, 15978
 atoms for sale, visit to USSR isotope center, 16770
 Atoms in Action, Nuclear Science Demonstration Center, Panama City Panama—
 opening ceremonies (remarks), 8916
 operations (remarks), 8917
 free-stream atom concentration in hypersonic flow, use of self-calibrating catalytic probes to measure, 11408

Atoms—Continued
 new problems in safeguarding the atom (remarks), 12021
 optical orientation, maximum response of magnetometer, USSR study, 17870
 peaceful atom comes to Hawaii (remarks), 12025
 understanding the atom series, 7442-45
 15977-978, 17408-409
 index, 17409
 volume ion production costs in tenuous plasmas, general theory, 15577
Attaches, see Agricultural attache.
Attachment:
 exemptions, in case of nonresidents, amend D.C. code, report, 9086
 wage garnishment, prohibit, hearings, 17594
Attack and defense (military science), see Military art and science.
Attendance, full-time, school certification for social security purposes, 15743
Attention, new veterans! older veterans!, 15220
Attenuation:
 diode discriminator threshold, transistor biased amplifier minimizes, 16883
 microwave, measurements and standards, 8523, 14515
 ultrasonic—
 for free electrons in presence of magnetic field theoretical investigation, 2705
 in superconducting niobium, 5273
Attitude control, see Satellites—Spacecraft.
Attitude indicators, developmental instrument supplies accurate attitude and attitude-rate data, 6770
Attitude instrument flying, change, 1767
Attitudes, past and future, 1813
Atxit, Frank H., luminescence dosimetry, 10297
Attorney General, see Justice Department.
Attorneys, see Lawyers.
Auctions, livestock, how packers and stock yards act applies, 15870
Audio frequencies, accurate phase-angle measurements, standard, 6924
Audio-visual education:
 Army audio-visual support center operations, field manual, 4206
 audiovisual materials, sources, 7912
 circulation of visual and auditory materials of educational, scientific and cultural character, agreement and protocol, 5546
 educational, scientific, and culture character—
 Implement Beirut agreement—
 law, 371
 reports, 653, 903
 Implement Florence agreement—
 hearing, 951
 report, 655
Audiologist, examination announcement, discontinuance notice, 14861
Audiology, professional careers, examination announcement, 13448
Auditing:
 career, Defense Contract Audit Agency, 16459
 Commerce Department audit activities, efficiency, etc., GAO review, 14158
 food donation programs administered by nonprofit agencies, audit extent, GAO review, 8149
 Health, Education, and Welfare Dept., career, 7 good reasons for starting, 8195
 your professional auditing future, Defense Dept., 4683
 see also for audit reports, names of corporations, etc.
Auditors:
 Defense Contract Audit Agency, career opportunities, 9365

- Auditors—Continued
 - examination announcements, 4390, 12101
 - amendments, 199, 201, 1908, 5919, 13428, 16067
 - discontinuance notice, 7535
 - internal auditor, Internal Revenue Service career for management-minded accounting graduates, 2405
 - pay, national survey, 2507
- Auditory vigilance as affected by signal rate and intersignal interval variability, 11346
- Audubon, John J., 20-cent air mail postage stamp (poster), 8612
- Anne, Hazel V., public health personnel in local health units, 10059
- Annon, Jose E., relief, 13769
- Aurex Corporation, relief, 7641, 13176, 13728
- Auscultatory blood pressure, *see* Blood pressure.
- Auseon, Donald E., relief, 306, 844
- Ausmus, Norma F., current employment, market for engineers, scientists, and technicians, 4727
- Austin, L. G., fuel cells, 15514
- Australia:
 - atomic energy cooperation for civil uses, agreements, 7160, 14687
 - background notes, 13131
 - capsule facts for Armed Forces, 15917
 - Christmas Island, mineral industry, minerals yearbook chapter, 9759
 - cotton, recent developments, 2286
 - defense space research facility, agreement, 7189
 - east coast, sailing directions, change, 11636
 - education, Educational Foundation and financing of exchange programs, agreement, 15770
 - health information for travel, 13078
 - lights and fog signals, list, changes, 1537, 7001, 11642, 18099
 - market information on electronic products, 16105
 - mineral industry, minerals yearbook chapter, 5109
 - Nauru Island, mineral industry, minerals yearbook chapter, 9759
 - plant quarantine import requirements—changes, 13206, 17302
 - revised pages, 8811
 - radioactivity sampling of upper atmosphere, agreements, 2923, 5538
 - south coast, sailing directions, change, 11637
- Austria:
 - air transport services, agreement, 2905
 - atomic energy cooperation for civil uses, agreement, 7171
 - background notes, 10090
 - capsule facts for Armed Forces, 17367
 - mineral industry, minerals yearbook chapter, 8343
- Authors:
 - L. C. national union catalog, cumulative list, 3601
 - register of additional locations, 16838
 - progressive fish-culturist, cumulative author index, 1081
 - technical writer, examination announcement, 1931
- Autocorrelator electronic system, *see* Pulse autocorrelator electronic system.
- Auto-diagrammer, *see* Electronic computers.
- Automatic addressing system, 2143
- Automatic Control, International Federation, *see* International Federation of Automatic Control.
- Automatic data processing equipment, *see* Electronic data processing systems.
- Automatic feeding equipment for livestock and poultry, 8830
- Automatic machinery with variable structure, USSR study, 15382
- see also* Robots.
- Automatic Standard Magnetic Observatory, general information, errata, 5946
- Automatic system for analysis of time variant data, 4748
- Automatic typographic-quality typesetting techniques, state-of-the-art review, 9942
- Automation:
 - automatic analysis of microscope objects, problems, working conference in Pushchino-on-the-Oka, 1219
 - automatic control—
 - determining courses of study, 1017
 - system, searchless adaptive variable structure, principle of construction, USSR study, 4933
 - automatic electronic test and checkout, definition of terms, military standard, 7861
 - automatic guidance of automobiles, prospects, USSR study, 16762
 - automating wool weaving looms, 1186
 - automation and banking structure (remarks), 6297
 - chemical production, all-Union scientific-technical conference, 2454
 - dairy plants manufacturing ice cream and ice cream novelties, layouts and operating criteria, 1702
 - electronic circuitry used to automate paper chromatography, 12913
 - geodetic work, Hungary, 15365
 - machines for centralized control, USSR book, 4937
 - manpower and automation—
 - in perspective of long-term technological change, seminar on manpower policy and program, 2487
 - research notice, 3535
 - manpower, research monographs, 16793
 - Soviet research, 6499
 - technology—
 - Communist Chinese abstracts, 3117
 - East European abstracts, 3219
 - USSR abstracts, 4027
 - troop control, methodological problems, USSR study, 8273
 - working with automation, seminar, 11300
- Automations:
 - determination of regularity by canonical equations, 6581
 - variable-structure automata, USSR study, 17861
- Automobile accidents, *see* Motor vehicle accidents.
- Automobile drivers, medical advisory boards for driver licensing, some State programs, 8638
- see also* Motor vehicle operators.
- Automobile graveyards, *see* Automobiles.
- Automobile insurance, study, report, 17578
- Automobile parking, *see* Parking of vehicles.
- Automobile parts, *see* Automobiles.
- Automobile seat belts, anchorages for seat belt assemblies in automotive vehicles, Federal standard, 6315
- Automobiles:
 - and air pollution, program for progress, 17470
 - automatic guidance, prospects, USSR study, 16762
 - Canadian agreement, implementation of automotive products trade act of 1965, annual report, 7803
 - commercial rental cars, revision of method of supplying by GSA, GAO report, 9558
 - consumer buying intentions, 1878, 5884
 - disposal, national problem, case studies, 8236
 - Fiat-Soviet plant and Communist economic reforms, report, 12291
 - print additional copies, report, 10594
 - instalment credit developments—
 - periodical, 7993
 - seasonally adjusted data, 7994
 - seasonally unadjusted data, 7995

Automobiles—Continued

loan characteristics at major sales finance companies, 7992
ownership and purchases, 1960-67, special report, 14832
price indexes for 1967 model, 16832
recent purchases and expected expenditures, report of U.S. households, 16027
safety standards in national traffic and motor vehicle safety act of 1966 (remarks), 1964
sedans, etc., standard models and special equipment requirements, military standard, 15189
USSR industrial development, automotive industry, translations, 4015
Automotive air pollution, 761
Automotive parts, *see* Repair parts.
Automotive tires, *see* Tires.
Automotive trades, *see* Motor vehicles.
Automotive vehicles, *see* Motor vehicles.
Auxiliary power systems for lunar roving vehicle, 16891
Avery, James P., Army fixed-wing cargo restraint design criteria analysis, 10289
Avery, T. Eugene, forester's guide to aerial photo interpretation, 4097
Aves, *see* Birds.
Avian leukosis:
outline of diseases of complex, 50
viruses, paths of intracellular synthesis, USSR study, 6534
Aviation, *see* Aeronautics—Aircraft.
Aviation boatswain's mates, E 1 & C Navy training course, 7010
Aviation electrician's mate 1 & C Navy training course, 11653
Aviation fields:
airfield design emergency construction, general provisions, 4215
Army airfield-heliport design, general provisions and criteria, technical manual, change, 10274
drainage and erosion control structures for airfields, emergency construction, 110
drainage, surface facilities for airfields and heliports, emergency construction, 4214
arctic and subarctic, 7395
military, instrument approach procedure charts, 3555
pavements, evaluation concepts—
Army technical manual, 10275
emergency construction, 7392
USSR test airfield of Soviet air forces, 16738
Aviation fuels, *see* Motor fuel—Turbine fuel.
Aviation machinists:
mate J 3&2, and J 1&C, Navy training course, supplement, 11654
mate R 1 & C, Navy training course, 14583
mate R 3&2, supplement, 11655
Aviation maintenance administration man 1 & C, Navy training course, 7011
Aviation medicine, *see* Medicine.
Aviation ordnanceman, 3 & 2, Navy training course, 7012
Aviation storekeeper, 3 & 2, Navy training course, 5575
Aviation structural mechanics, *see* Mechanics (persons).
Aviators:
aeronautical communications and pilot services, ATS handbook, 2991
agricultural, protect, case studies, 140
allergy and sinus disease, 14782
aortic insufficiency in flying personnel, 17348
category 2 operations general aviation airplanes, 17742
certificated pilot flight and ground schools, list, 11092

Aviators—Continued

disorientation, fatal effects under either IFR or VFR, 3801
dizziness and vertigo, 17359
flashblindness F-106B aircraft experiment, 17349
flight navigator written examination guide, 2283
bearing survey, 17356
impairment of airmanship by alcohol, 4251
incidence of ear, nose, and throat diseases in test pilot candidates, 14781
instrument pilot examination guide, 6353
light-aircraft pilots, non-instrument-qualified, performance during instrument flight, simple stability augmentation system, effects, 11519
measurement of low frequency vibrations in big helicopters and their transmission to pilot, 11564
medico-physiological incidences on pilot for flight patterns typical of VTOL, 11563
memorandum for aviators, 3548
military pilot training, requirements, and inventories, hearings, 13843
of flight and bold men, 5704
performance tests for operator-skills research, 1821
physiological responses of pilots to severe weather flying, 5804
pilot schools, Federal aviation regulations, 6241, 11000
pilot vision, effect of age on binocular fusion time, 4253
piloting, simulated performance, hangover effect of secobarbital, 7364
pilots and flight instructors, certification, Federal aviation regulations, 1040, 4578, 6239, 7949, 10991, 12494, 14005, 16554
private pilot, written examination guide, 14071
response speed, frequency, and flexibility, review, analysis and device demonstration, 16904
search and rescue operations for U.S. private pilots missing in foreign areas, 16329
undergraduate pilot and navigator training, relationship of AFOQT scores to success, 13267
see also Notice to aviators.
Avocados, production, use, value, 1965-66, by States, 14696
Awards (arbitration):
National Railroad Adjustment Board, 2760, 5322, 6988-90, 8565, 9965, 11621-622, 14556-559, 15614-615, 17055-56
Awards (incentive), *see* Rewards (prizes, etc.).
Awbrey, Stuart, Peace Corps volunteer, 2676
AWOL and consequences, 5736
Axelton, Elvera A., ponderosa pine bibliography, 17805
Axial compression, structural efficiency of ring-stiffened corrugated cylinders, 14470
Axial fans, *see* Mechanical fans.
Axial flow, *see* Flow.
Axisymmetric vibrations of partially liquid-filled cylindrical containers, 12942
Aydelott, John C., normal gravity self-presurization of spherical liquid hydrogen tankage, 18019
Ayrshire cattle, *see* Cattle.
Azerbaijdzhan Soviet Socialist Republic:
Academy of Sciences, annual meeting, 1966
activities discussed, 9668
retail and wholesale networks, problems, 1171
Azimuth, microwave measurements, atmospheric errors, experimental study, 2224
Azov, Sea of, lights and fog signals, list, changes, 1538, 5333, 11643, 18100
Azovskoye More, *see* Azov, Sea of.

B

- Babies, *see* Infants.
- Babitzke, Herbert R., columbium and tantalum alloy development, 11359
- Babylon, N.Y., population, special census of town, 16024
- Bachman, Earl E., recreation of facilities, personal history of their development in national forests of California, 17799
- Bachman, George O., geology and mineral resources of Salt Lake area, etc., 17821
- Bacillus thuringiensis, field testing for control of western hemlock looper, 14140
- Backer, Julie E., infant mortality problems in Norway, 17167
- Backfills, *see* Hydraulic mine filling.
- Bacsalmaszy, John A., relief, 13770
- Bacteria and bacteriology:
- aerobic-bacteria culture apparatus employing new foam-breaker, 10007
 - aspects of 20 days in full pressure suits, 20 days at 27,000 ft. on 100% oxygen and 34 days of confinement, 6723
 - bacteria of living and dead larvae of *Porthetria dispar*, 8075
 - bacterial kidney disease of salmonid fishes, 4502
 - bacteriology of clean rooms, 17937
 - clostridium toxins and bacterial aerosols, microbiological studies, 11290
 - combined propagation of unicellular algae and bacteria, Hungarian study, 12691
 - enteric microbial flora of man in oxygen-helium atmosphere, 79
 - food utensils, etc., examination procedure, 17164
 - motility of bacteria, medium improved, 1737
 - oral, cutaneous and aerosol evaluation of man in oxygen-helium atmosphere, 84
 - radio-resistance, virulence and culture characteristics, effect of repeated treatment with gamma rays, 12018
 - reactions to bacterial antigens after irradiation, USSR study, 9665
 - see also* Clostridium—Intestinal flora—Skin flora, also names and classes of bacteria.
- Bacterial flora, *see* Bacteria and bacteriology.
- Bacterial warfare, *see* Biological warfare.
- Bacterial wilt, *see* Wilt disease.
- Bacteriological warfare, *see* Biological warfare.
- Badges, postal service, permit use in theatrical, television or motion picture productions, report, 14975
- Badlands National Monument, general information, 6975
- Baer, Jack, relief, 851, 12329
- Baez Hernandez, Ramon, relief, 9206, 12149, 12216
- Baffin Bay, sailing directions, 9968
- Baffles (mechanics):
- flexible and rigid ring, for dumping liquid oscillations in large-scale cylindrical tanks, effectiveness, 8493
 - thickness effects in fuel sloshing experiments, 2700
- Baggage, luggage, briefcases, and personal leather goods, current industrial reports, 3169
- Bagge, Carl E., nomination, hearing, 15153
- Bagnell, Douglas B., relief, 655
- Bagot-Rush Agreement Days, *see* Rush-Bagot Agreement Days.
- Bagpipes, duty-free treatment, reports, 7685, 15104
- Bags:
- Bag sewing operation, how to inspect chart, 9688
 - sacking, quick-change attachment for harvesting cotton research plots, 13198
- Bahamas:
- foreign trade regulations, 7576
 - long range proving ground, agreement, 17241
- Bahrain, *see* Bahrein.
- Bahrain:
- foreign trade regulations of Arabian Gulf States, 17480
 - geology, 6405
- Bail, return of fugitive bailees, hearing, 6117
- Bailey, Curtis R., oxidizer-rich oxygen-hydrogen combustion characteristics, 2708
- Bailey, Harry E., programs for computing equilibrium thermodynamic properties of gases, 9898
- Bailey, James E., launch vehicle wind and turbulence response by nonstationary statistical methods, 15505
- Bailey, John M., two supply cooperatives serving low-income farmers, analysis in Appalachia, 2231
- Bailey, Leslie F., tables of folded sin x/x interpolation coefficients, 4413
- Bailey, Marlon C., effects of dielectric covers over cross slots in rectangular waveguide, 18027
- Bailey, S. O., using parallel-T network for developing quadrature voltages at variable frequencies, 5361
- Bailey, Warren R., organizing and operating dryland farms in Great Plains, summary of regional research project GP-2, 7883
- Bailey bridges, panel type, technical manual, 1768
- Baird, Charles F., nomination, hearing, 15148
- Bairrington, Jarrell D.:
- anticoagulant effect of hemophilic blood, prolongation of clotting, etc., 10244
 - effects of monomethylhydrazine on coagulation mechanism, 17361
 - hemostasis and coagulation, 7340
 - in-vivo inactivation of factor VIII (anti-hemophilic globulin) by hydrazine, its relation to fibrinolytic mechanism, 14771
 - laboratory control of anticoagulation therapy, 17358
- Bait, Federal baiting regulations, waterfowl, questions and answers, 15258
- Baja California:
- bathyl and abyssal gammaridean Amphipoda of Cedros Trench, 17046
 - sardine and anchovy larvae distribution, etc., in California Current region, 8036
- Baker, Albert F., pressure drop across fixed beds of anthracite briquets and blast furnace materials, 11375
- Baker, Charles E., thermal conductivities of ordinary and deuterated gaseous hydrogen fluoride and their equimolar mixture, 12961
- Baker, John A.:
- addresses, etc.—
 - Dec. 5, 1966, 4109
 - Dec. 6, 1966, 4095
 - May 26, 1967, 13239
 - May 29, 1967, 13246
 - June 20, 1967, 13238
 - July 18, 1967, 13208
 - Aug. 26, 1967, 15875
- Baker, Olive Q., national patterns of R&D resources, funds and manpower in United States, 14562
- Baker, P. S., isotopes and radiation technology, quarterly technical progress review, 3449
- Baker, Roy V., gin trash collection efficiency of small-diameter cyclones, 15824
- Bakers and bakeries:
- baking industry, organization and competition, revised page, 5297
 - field bakery operations, technical manual, 15947
- Baking, *see* Bakers and bakeries—also names of foods baked.
- Balance (meteorology), *see* Meteorology.

balance of payments:
 adjusting deficits through capital accounts (remarks), 4781
 balance of payments and business outlook in United States (remarks), 5949
 barter contracts for diamonds for stockpile, GAO report, 15293
 corporate voluntary, program and lawyer (remarks), 224
 dilemma of national balance of payments strictures and international development needs (remarks), 2949
 Federal Reserve looks at (remarks), 2261
 in 1966, 11048
 interest equalization tax act on foreign securities, extend—
 digest of testimony and statements, 9176
 hearings, 6047, 13859
 law, 13539
 legislative histories of P.L. 90-59 and P.L. 89-243, 15052
 reports, 7670, 7708, 13689, 13823
 international capital, markets and financing of U.S. foreign trade and investment (remarks), 6300
 methods and objectives for attaining (remarks), 10122
 program, revised guidelines for banks and nonbank financial institutions, 4783
 prospects for 1967 (remarks), 237
 3d quarter, 1966, principal results (statement), 1657
 U.S., and private capital outflows (remarks), 1966
 U.S. spillover as it effects less developed countries (remarks), 13468
 U.S. travelers, you can assist, 11887
 United States position, observations by GAO, 17812
 use of reserved foreign currencies in lieu of dollars, law, 395
 voluntary agreements, safeguarding U.S. position, exemptions from antitrust laws, extend—
 law, 14906
 reports, 13647, 13674, 13811
 voluntary program for direct investments, status and prospects (remarks), 5964, 7585
 voluntary program, role of oil industry (remarks), 228
 Balance sheets, *see* Finance.
 Balanced Economic Development Commission, establish, hearings, 15156
 Balcerak, John C., predicting aerodynamic loads and dynamic response of rotor blades of tandem-rotor helicopter, 13310
 Balclutha, *see* Leafhoppers.
 Bald eagle, *see* Eagles.
 Baldwin, J. L., weekly weather and crop bulletin, national summary, 4046
 Baldwin, John F., memorial services, 5967
 Baldwin, Roy D., relief, 9256 13560, 14893
 Baldy, Mount, primitive area, Ariz., mineral resources, 8156
 Ball, Robert J., improved motility medium, 1737
 Ball-bearing retainers, materials in 60° R (33°K) hydrogen gas at 0.8 million DN value, film-transfer studies, 2709
 Ball bearings, *see* Bearings (machinery).
 Ball lightning, *see* Lightning.
 Ball mills, pulverizing lignite in ball mill, 15476
 Ballance, Richard C., fly ash as coagulant aid in water treatment, 2573
 Ballard, Robert F., Jr., structures instrumentation, Project Pre-Gondola, 17396
 Ballinger, Roy A.:
 markets for sweeteners, 4698
 noncalorie sweeteners, their position in sweetener industry, 10916
 Ballistic missiles, *see* Missiles.
 Ballistic ranges, ablating bodies in, thermal radiation studies, survey, 5234

Ballistics:
 ballistic limit of double-walled meteoroid bumper systems, 9893
 jet pluming effects on static stability of ballistic bodies at Mach number of 6.00, 2691
 test facility, for personal armor material, military standard, 9375
 trajectories, minimal energy, for missions to Mercury, 9886
 Balloons:
 ammonia as inflater, compatibility with fabrics, 4836
 moored, Federal aviation regulations, 10997
 motion, probing by Doppler radar, 16532
 passive geodetic satellite inflation rate study, 8426
 Project EOLE, satellite meteorological research, agreement with France, 2906
 radioactivity sampling of upper atmosphere, agreement with Australia, 5538
 sphere behavior and measurement of wind profiles, 11537
 unmanned free, Federal aviation regulations, 10997
 Ballots, *see* Elections.
 Balsam fir, *see* Fir.
 Balsam woolly aphids, *see* Aphids.
 Baltic Sea:
 lights and fog signals, list, change, 1539, 7005, 11645, 18101
 sailing directions change, 5328
 Baltimore, Md.:
 area wage survey, 8309
 port, 16525
 wholesale food distribution facilities, 5650
 Baltimore Methodist Board of Child Care, cost analysis study, 7231
 Baltrukonis, J. H., structural dynamics of solid propellant rocket motors, 2611
 Balz, Elmer H.:
 ground-water resources of southern part of Jicarilla Apache Indian Reservation and adjacent areas, N. Mex., 17829
 stratigraphy, etc., of Upper Cretaceous and Tertiary rocks, east-central San Juan Basin, N. Mex., 16693
 Baluchistan melon fly, 8841
 Bands (music):
 District of Columbia Police Department band, include members of Fire Department, etc., report, 7687
 Marine Band, history, activities, etc., 9750
 Bangkok, Thailand, U.S. trade center, 12654
 Bangs disease, *see* Brucellosis.
 Banker, Dorothy C., mineral trade notes, monthly inventory, 3563
 Bankhead-Jones farm tenant act, *see* Agricultural credit.
 Banking, *see* Banks and banking.
 Banking and Currency Committee, House:
 calendar, 3472
 committee prints, 725, 4528, 7740, 12290-291, 13700-701, 15018
 hearings, 726, 9150-51, 1064-643, 12292, 15019-20, 16314-317, 17594-595
 investigations and studies—
 authorization, report, 7672
 development lending in Africa, etc., authorization, report, 7718
 expenses, reports, 7728-29
 proceedings, travelling portrait of Wright Patman, 4465
 reports, 666-67, 690, 4497, 9137, 10597, 10602-603, 10607, 12284, 13634, 14945, 14961, 17572
 Banking and Currency Committee, Senate:
 activities, 89th Congress, 2d session, summary, 4633
 calendar, 3491
 committee prints, 4631, 4633, 6090-91, 9309, 10821, 17643

Banking and Currency Committee, Senate—
Continued
hearings, 4632, 6092, 7800-1, 9307-8,
10817-820, 10822, 12399-402, 12845-
849, 15150-152, 16396-397, 17641-642,
17644
investigations and studies—
authorization, reports, 4593, 4624
housing, Federal programs, etc., ex-
penses, reports, 4594, 4625
reports, 899, 4588, 4593-94, 6085, 9281-
83, 10765, 12360, 12388, 12391, 13796,
13812, 13816, 13822, 15095, 15132-
133, 16360, 16367, 16385-386
Bankruptcy :
act, amend rel. to—
administration of estates in superseding
proceedings—
hearing, 16420
report, 9095
bankruptcy courts determinatg dis-
chargeability and nondischargeability
of provable debts, hearing, 16420
creditor committee functions and ex-
penses—
hearing, 16420
report, 9093
filing of claims—
hearing, 16420
report, 9094
reallocation of part of filing fee, report,
16248
referees, hearing, 16420
legislation 1967, hearing, 16420
statistical tables, 5612
Banks, Nathan, caddis flies, types of species
described, 14542
Banks, Wayne G., who starts forest fires in
Maine—and how? 8076
Banks and banking :
agricultural financing, 12530
applications received, or acted on, by Fed-
eral Reserve System Board of Governors,
3035
assets and liabilities, all banks—
semiannual report, 7991, 16588
semi-monthly report, 3046
assets, liabilities, capital accounts, com-
mercial and mutual savings banks, 7958,
16567
automation and banking structure (re-
marks), 6297
bank credit and monetary developments,
8002
bank credit cards and check-credit plans,
development and implications (re-
marks), 14037
bank credit series, revision, 16595
bank debts, 2264
bank debts and deposit turnover, 3052
bank holding company act of 1956, tax
treatment of distributions pursuant to,
reports, 659, 7692, 15093
bank stock ownership and control, staff
report, 4528
print additional copies, report, 13654
banking and farm finance, present chal-
lenge (remarks), 6298
banking and monetary statistics, 14038
supplement, 2264
banking markets and interest rates, evi-
dence on concentration, 14040
central banking, initiative and innovation
in orchestration of monetary, fiscal and
debt management policies (remarks),
9493
certificates of deposit, reappraisal (re-
marks), 4784
changing image of banks and bankers (re-
marks), 16796
code of Federal regulations, 11033, 12522
commercial banks—
accounts and deposits, June 30, 1966,
national summary, 6247

Banks and banking—Continued
commercial banks—continued
commercial banks and interlocks among
financial institutions, control, staff
report, 15018
underwriting of municipal revenue
bonds, interest cost effects, 16592
condition report of large commercial banks,
weekly, 4055
consolidated condition statement, 3046
consumer installment credit, monthly re-
port, 3142
debts, demand deposits, and turnover
(periodical), 7998
debts to demand deposit accounts, etc.,
9489-92
Educational Opportunity Bank, establish-
ment, panel report, 15663
Federal reserve par list, 2258, 4782, 17762
cumulative supplements, 3316
Federal savings associations, establish
with conversion of State-chartered
banks, hearings, 15019
financial institutions and urban rehabilita-
tion (remarks), 16590
financial institutions supervisory act of
1966—
law, 409
reports, 666, 674, 691
foreign assets control regulations, com-
modity supplement, 8774, 17268
foreign government restraints on U.S. bank
operations abroad, economic policies and
practices, 9045
foreign operations under Federal reserve
act, regulations, 9495
insurance of savings accounts, questions
and answers, 16571
insured banks—
maximum rates of interest paid, regula-
tion, extend act—
hearings, 17595
law, 17541
report, 13816
offices insured by FDIC, list, supple-
ments, 3514
report, 1044
time deposits, temporary ceilings on in-
terest rates, report, 648
Interest rates, savings competition, and
bank profitability (address), 11050
laws related to banking, compilation, 1985
mutual savings banks, Federal charter
legislation, hearings, 15019
nonmember banks that maintain clearing
accounts with Federal reserve banks,
list, 3895, 6305
operating banking offices, list, 14021
operating banks and branches, Dec. 31,
1965-Dec. 31, 1966 changes, 14020
participation loans with SBA, guide for
private lending institutions, handbook,
5490
prohibit certain financial institutions from
participating in gambling activities,
hearings, 12292, 16397
savings flows and public policy (remarks),
1067
time and saving deposits, changes, 11049,
14039, 16589
see also Federal home loan Banks—Fed-
eral intermediate credit banks—Federal
land banks—National banks—also head-
ings beginning Federal reserve—also
names of banks or places where located.
Banks Lake :
costs of operating and maintaining for
recreational purposes to be nonreim-
bursable, hearing, 7811
reservoir, costs of operating and main-
taining for recreational purposes to be
nonreimbursable, report, 9264
Bannister, Tommy C., Pegasus thermal
design, 1477
Banta, William C., new species of Victorella
from southern California, 9953

- Baptists:
illegal activities, USSR view, 1199
workshop for Baptists on deafness and rehabilitation, University of Tennessee, 2968
- Barany, Ronald, heats of formation of lithium sulfate and 5 potassium- and lithium-aluminum silicates, 2577
- Barbados:
background notes, 17213
capsule facts for Armed Forces, 15921
foreign trade regulations, 9019
barbed wire command, 14796
- Barber, Donald E., standards of performance for film badge services, 10047
- Barber, Marvin R., evaluation of handling qualities of 7 general-aviation aircraft, 1514
- Barcelona, Spain:
U.S. Chamber of Commerce, 50th anniversary (remarks), 10463
Spanish edition, 10464
- Barendse, Robert D., education in Mao's China, 999
- Barger, Roland L., veneer volume and grade recovery from ponderosa pine in southwest, 14115
- Barges, ocean transport capability, container/barge quandy (paper), 12785
- Bargess, Albert M.:
data report, Equalant III, 8569
oceanographic vessels of the world, 8568
- Barleau, Robert E.:
method for treating PVT data from Burnett compressibility apparatus, 16863
nonlinear regression and principle of least squares, evaluating constants and calculating variances and covariances, 6681
thermodynamic properties of—
fluids, etc., 9776
van der Waals fluid in 2-phase region, 11379
zero pressure thermodynamic properties of nitrogen gas, 6636
- Barite, bedded, in East Northumberland Canyon, Nye County, Nev., 16689
- Barium sulfate, from sea water, deposition in oil-well rotary pumps, 11386
- Bark beetles, *see* Beetles.
- Barnard, J. Laurens:
bathyal and abyssal gammaridean Amphipoda of Cedros Trench, Baja, California, 17046
benthic amphipoda of Monterey Bay, Calif., 2751
Pacific Ampeliscidae, 6961
- Barnard, Paul G., effects of rare-earth additions on plain-carbon steel, 6686
- Barnes, D. K., genetic traits in tetraploid and diploid alfalfa, 8849
- Barnes, Donald J., effects of pulsed ionizing radiation on primate equilibrium function, 7354
- Barnes, Farrell F.:
coal resources of—
Alaska, 8157
Cape Lisburne-Colville River region, Alaska, 15306
- Barnes, Harley, Cambrian and Precambrian rocks of Groom district, Nev., 14169
- Barnes, Harry H., jr.:
magnitude and frequency of floods in United States, South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River, 2374
roughness characteristics of natural channels, 17833
- Barney, Alice Pike, memorial lending collection, catalog of paintings, 2747
- Barnoski, Richard L.:
analog circuits for elastic structures, 5169
dynamic characteristics of square plates by passive analog simulation, 5168
maximum response of rectangular plates to random excitation, 16892
- Barnoski, Richard L.—Continued
maximum response of simple beams to random excitation, 11381
- Baros:
calf barn, open front pen type, building plan, 41
portable calf pens, farm building plan, 5659
- Barnwell, Richard W., numerical results for diffraction of normal shock wave by sphere and for subsequent transient flow, 17015
- Baroldi, Giorgio, coronary circulation in normal and pathologic heart, 11999
- Barometric pressure, *see* Atmospheric pressure.
- Baron carbide, whiskers, straight growth produced in radial furnace, 9836
- Barone, Demetria M., relief, 13612, 13771
- Barool, Lilliana G., relief, 12325
- Baroreceptors, *see* Pressoreceptors.
- Barr, Joseph W.:
remarks—
Oct. 24, 1966, 1656
Nov. 3, 1966, 2949
Nov. 17, 1966, 2955
Feb. 4, 1967, 5571
Apr. 20, 1967, 16122
May 11, 1967, 11884
Sept. 21, 1967, 17265
Oct. 4, 1967, 17269
Oct. 19, 1967, 18245
Oct. 20, 1967, 18242
- Barracks and quarters, troop housing, Navy design manual, changes, 2764
- Barracough, J. T., hydrology of National Reactor Testing Station, Idaho, 16690
- Barranger, John, magnetically soft, high-temperature cobalt-iron alloy, 1500
- Barrels, steel shipping, current industrial reports, 3169
- Barrett, Ashton C.:
nomination, hearing, 15153
remarks—
Mar. 9, 1967, 7968
Apr. 10, 1967, 7969
- Barrett, Curtiss C., orbit adjust and station keeping gravity-oriented satellites, 2688
- Barrett, James W., record of ponderosa pine seed flight, 1089
- Barrington, A. E., instantaneous monitoring of multicomponent expired gases, 2601
- Barrington, Alfred E., flyby measurements of profiles of water vapor, particulate matter, and carbon dioxide in Martian atmosphere, 15569
- Barrow, Alaska, topographic map, 4199
- Barry, Anthony J., stress distributions in burst-prone coal pillars, 12824
- Barry, John P., pulse coding for clutter suppression, 10018, 14596
- Bars (metal, etc.):
Federal item identification guides for supply cataloging, supplements, 3288
- Bartek, Methodius J.:
effect of oxygen on dog plasma sulfhydryl groups in vitro, 5712
study of man in oxygen-helium atmosphere, selected blood enzyme response, 85
- Bartel, Dean P., relief, 7629
- Barth, Joseph J., connector for saturated standard cells, 11590
- Bartholomew Bayon:
and tributaries, engineer report—
departmental edition, 2202
document edition, 2003
- Bartoo, Mames, water supply outlook and Federal-State-private cooperative snow surveys for Nevada, 4048
- Barton, Richard L., parachute opening, 16984
- Barton, William R.:
sand and gravel, 5133
slag iron-blast-furnace, 2599
stone, 5134

- Bartosiewicz, John J., containers and packaging, quarterly industry report, 3147
- Bartz, Daniel J., use of adhesive labels for price-marking cases at grocery warehouses, 10155
- Basalt, aquifers, artificial recharge through well tapping, at The Dalles, Oreg., 16100
- Basel University, nuclear physics research activities, 5011
- Basements:
home, fallout protection, evaluating techniques for improving, 5765
making dry, 1698
- Basic Standards Institute, *see* Institute for Basic Standards
- Basora, Hilda, foreign trade regulations of Paraguay, 4446
- Bass, Richard L., relief, 7620, 10476, 10719
- Bass:
striped—
general information, 1076
tagging summary, 8037
- Bassett, John K.:
periodic cubic growth in natural loblolly stands near Crossett, Ark., 2324
thinning loblolly pine from above and below, 8095
- Basutoland, *see* South Africa.
- Batavia, N.Y.:
land transfer to—
law, 12167
reports, 703, 6004
- Bates, Jerry C., synthesis of 15 infrared horizon radiance profiles from meteorological data inputs, 9501
- Bates, Robert G., aeroradioactivity survey and areal geology of Pittsburgh area, 1779
- Bates, Roger G., Electrochemical Analysis Section, NBS, summary of activities, 18080
- Bathing units, field bath, facilities for troops, Army technical manual, 8885
- Batholiths, nature of, 6403
- Bathypelagic calanoid copepods of western Indian Ocean, 8548
- Bathyscaphes, French, departs for Japan, 9631
- Batteries, *see* Electric batteries—Storage batteries.
- Battery-powered vehicles, *see* Electric vehicles.
- Battle, Mark:
addresses—
Dec. 7, 1966, 2484
Aug. 31, 1967, 17298
- Battle act, *see* Exports.
- Battle art, American Expeditionary Forces, 1918, exhibition, 8680
- Battle Mountain Indian Colony of Nevada:
land in trust for cemetery—
law, 14915
reports, 13827, 14932
- Battlefields, *see* names of battles or battlefields.
- Battles, *see* names of battles, or places where fought.
- Bauer, Frederick L., industry wage survey, women's and misses' dresses, 6613
- Bauer, Helmut F., liquid sloshing in elastic containers, 16906
- Bauer, Mary L.:
characteristics of persons with diabetes, 14638, 18189
current estimates from health interview survey, United States, July 1965-June 1966, 11763
- Bauernschub, J. P., jr., nonmagnetic, explosive actuated indexing device, 11496
- Baum, Werner A., nomination, hearing, 6095
- Baumal, Allan, relief, 283
- Baumann, Lewis A., predicting quality of stored soybean oils, 15862
- Baumeister, Kenneth J., laminar flow analysis of film boiling from horizontal wire, 14456
- Baumol, Wm., economic theory and operational research, book review, 14225
- Bauxite:
deposits—
Anniston, Fort Payne, and Ashville areas, northeast Alabama, 2356
northeastern Alabama, 2357
Rock Run and Goshen Valley areas, northeast Alabama, 9561
southeastern United States (series), 2356-57, 9561
ferruginous, Pacific Northwest, adaptation of Pederson process, 9788
Hawaiian ferruginous, metallurgical testing, report, 11374
ores, high-iron, processing, 9766
report, quarterly, 3053
reserves and potential resources of the world, 8154
- Bay of Bengal, *see* Bengal, Bay of.
- Bayard-Alpert ionization gages, *see* Ionization gages.
- Bayer 73, toxicity to fish, 16624
- Bayley, R. W., geology of Menominee Iron-bearing district, 6398
- Bayo, Francisco, United States population projections for OASDHI cost estimates, 8686
- Bayous, *see* names of bayous.
- Bazan, Juan R. Diaz Zayas, *see* Diaz Zayas Bazan, Juan R.
- BDSA, *see* Business and Defense Services Administration.
- Beach, Norman E.:
directory in plastics, knowledgeable Government personnel, 2157
glossary of plastic terms, consensus, 4680
- Beach erosion:
and coastal processes, 10953
projects, Federal reimbursement policy, study—
departmental edition, 6209
document edition, 6057
see also names of localities.
- Beaches, fill and borrow area behavior, Sherwood Island State Park, Conn., 13976
- Beacons, non-directional, maintenance, FAA handbook, 6236
- Beagle, Edward G., jr., relief, 7638
- Beal, Raymond H., heavy tip moth attacks reduce early growth of loblolly and shortleaf pine, 14120
- Beam, Richard M., axially symmetric response of elastic cylindrical shell partially filled with liquid, 6907
- Beam splitters, *see* Beamsplitters.
- Beams:
electron-bombardment ion-thruster, measurement of ion and electron densities, 5244
glued-laminated, flexural behavior, 8104
nonuniform multibranch, longitudinal and torsional vibrations, matrix analysis, 6886
prestressed concrete, durability and behavior, investigation, 9424
simple beams, maximum response to random excitation, 14381
vibrating, with linearly varying axial load, upper and lower bounds for eigenvalues, 2609
see also Electron beams.
- Beamsplitters, dielectric infrared, operating in 5 to 30 micron region, development, 6721
- Bean, B. R., world atlas of atmospheric radio refractivity, 4747
- Beans:
dry, 8th research conference, report, 11920
dry, good choice for thrifty family, food value, use, recipes, 9348
- Bear Canyon, primitive area, mineral resources, 8155
- Bear River Migratory Bird Refuge, mammals, list, 6354

Bearden, J. A., X-ray wavelengths and X-ray atomic energy levels, 17036
 Beardsley, Wendell, cost implications of camper and campground characteristics in central Colorado, 14113
 Bearings (machinery):
 air, provides friction-free support for shaker system slip table, 8402
 ball bearings—
 design concept to decrease relative speed, 14421
 miniature, movement of oil in, factors affecting, 17089
 temperature limitations of ester, ether, and hydrocarbon base lubricants, 15576
 bearing torque and fatigue life studies with several lubricants, 11509
 composites of porous metal and solid lubricants increase bearing life, 6742
 Federal item identification guides for supply cataloging, supplements, 3285
 full-floating-ring bearings, 12849
 gas bearing components wear studies, 18003
 high-temperature bearing cage materials, evaluation, 5274
 hydrodynamic journal bearings, operation in sodium to 800° F. etc., 9901
 improved rolling element bearings provide low torque and small temperature rise in ultrahigh vacuum environment, 6835
 journal bearings in laminar and superlaminar flow regimes, steady-state and dynamic properties, 9803, 12849
 laminated elastomeric bearings in Uh-1 helicopter tail rotor, evaluation, 17389
 resilient bearing supports are gas controlled, 17975
 rolling element bearings, tester for study, 8448
 rotor-bearing systems, dynamic stability, 1439
 SAE 52100 steel hollow balls, rolling-element fatigue life, 6879
 superlaminar flow between nonconcentric rotating cylinders, 12852
 tilting-pad bearings, 9803
 Bears, *see* Polar bears.
 Beatty, Robert W.:
 errors in gain measurements in standard electromagnetic horns, 9944
 microwave attenuation, measurements and standards, 8523
 Beaty, Orren, Jr., nomination, hearing, 13883
 Beaud, Louis, relief, 12327
 Beaufort Inlet:
 to Bogue Inlet, N.C., hurricane survey, engineer report—
 departmental edition, 2203
 document edition, 1996
 Beaumont, Tex., area wage survey, 14294
 Beautification:
 aids for urban areas, as provided under housing and urban development act, 6415
 America's airport beautification awards program, 17741
 Greenspan plan for outdoor beauty, general information, 5672
 guard against plant pests for beautiful America, 1713
 guide to natural beauty, 11936
 help Lasse keep America beautiful (poster), 16648
 highway beautification act of 1965, review, hearings, 12311
 highway program, 1967, report on costs and economic impact, 6054
 print as S. doc., report, 4599
 highway program, 1968, authorizations—
 hearings, 15174
 reports, 15126, 16272

Beautification—Continued
 nurserymen play important role in restoring beauty to the land (statement), 4142
 science and America's beauty, 15841
 State projects, public participation in highway beautification, 5477
 toward measuring intangible values of natural beauty (paper), 12461
 urban America, Federal beautification and open-space land programs, questions and answers, 4902
 USDA leadership for more beautiful countryside, 49
 Beautiful junk, 17709
 Beauty, Natural, Citizens' Advisory Committee on Recreation and, *see* Citizens' Advisory Committee on Recreation and Natural Beauty.
 Beauty, Natural, President's Council on Recreation and, *see* President's Council on Recreation and Natural Beauty.
 Beauty operators, so you want to be a cosmetologist, 15205
 Beaver Creek area, Ariz., soil survey report, 11803
 Becelro, Daniel Pernas-, *see* Pernas-Becelro, Daniel.
 Bechnanaland, *see* South Africa.
 Beck, W. J., Northwest Shellfish Sanitation Research Planning Conference, proceedings, 15683
 Becker, Eugene M., nomination, hearing, 15148
 Becker, Robert M., some anisotropic considerations in rock stress determinations, 12818
 Beckett, C. W., physics and chemistry, journal of research, 3458
 Beckham County, Okla., Sandstone Creek watershed, hydrologic effects of small reservoirs, 2376
 Berkman, Norman, address, Sept. 11, 1967, 16707
 Becky, Jun., *see* Jun, Becky.
 Becoming a citizen series, 11211, 12630
 Bed springs, *see* Bedsprings.
 Bedding, current industrial reports, 7479
 Bedesem, M. P., internal Compton effect, 1430
 Bedrest, *see* Rest.
 Bedrock:
 geology of—
 Chepachet quadrangle, Providence County, R.I., 16685
 Shin Pond and Stacyville quadrangles, Penobscot County, Maine, 17825
 Island Falls quadrangle, Aroostook and Penobscot Counties, Maine, geological-geophysical investigations, 6401
 Beds, classification definitions, 18117
 Bedsprings, current industrial reports, 3169, 8941
 Bee, *see* Bees.
 Bee culture, beekeeping in United States, 13214
 Bee moths, greater wax moth, description, control, etc., 10169
 Bee Research Laboratory, Tucson, Ariz., research on honey bees, 10199
 Beef:
 good choice for thrifty family, food value, selection, recipes, 9344
 in family meals, guide for consumers, 5630
 slaughtering, cutting, and processing on farm, 4106
 Beef cattle, *see* Cattle.
 Beekeeping, *see* Bee culture.
 Beem, Arley L., relief, 7633
 Beer:
 excise tax exemption by IRS for certain consumers, GAO review, 9554

- Beer—Continued
imports into D.C. limit—
hearings, 12234
report, 14993
- Bees:
beekeeping in United States, 13214
diseases, identifying in apiary, 5624
honey bees—
protecting from pesticides, 7275
research, Bee Research Laboratory, Tucson, Ariz., 10199
trap-nesting, life histories, etc., 8685
- Beeswax, production, estimates by number of colonies of bees, yield per colony, etc., by States, 4150
- Beet leafhopper, life history, host plants, and migrations in western U.S., 5686
- Beetles:
bark beetles—
chemosterilants to control, tepa shows promise, 14108
cylindrical screen cage for rearing, 14114
distribution of attacks on ponderosa pine trees in Montana, 11115
black turpentine beetle, general information, 16646
click beetles of genus *Melanotus* in America north of Mexico (Coleoptera, Elateridae), revision, 8545
elm bark, general information, 10172
Euparixia genus, with description of new species from nests of leaf-cutting ants in Louisiana (Coleoptera: Scarabaeidae), review, 15606
European chafer, blacklight traps development for surveys, 7303
Glyptosectis genus, revision, 14533
Haematichiton Gorham genus, review, 11608
mountain pine beetle, description, control, etc., 17793
Triplax Herbst genus, neotropical species, 11608
western pine, forcing attacks to test resistance of pines, 8083
Xyloterinus polltus Say, defects in birch associated with, pictorial description, 4833
- Beets, table, growing, 4113
- Behavior:
activity patterns of campers, 8071
behavioral aspects of deafness, research, conference proceedings, 2967
changes in rats at ground level following gestation and growth in 100% oxygen at reduced pressures, 15899
chimpanzee, physiological analysis of so-called foresight, USSR study, 1306
man in oxygen-helium atmosphere, 86
man, 1967 behavioral model, his chains revealed, 14401
privacy and behavioral research, 7107
research, international, Federal support, hearings, 10842
rodent ethology, with emphasis on evolution of social behavior, comparative study, 15603
see also Conduct of life.
- Behavioral Science Research Laboratory, technical research notes, 14801
- Behrendt, Donald R., influence of parent and daughter decay on tracer diffusion profiles, 14489
- Beikman, Helen M., Lincoln Creek formation, Grays Harbor basin, southwestern Washington, 12603
- Beirut agreement, *see* Audio-visual equipment.
- Bekkedahl, Norman, lecture, May 4, 1967, 9935
- Belanger, Roland, shipyard scaffolding, 17888
- Belgium:
double taxation, convention, protocol, 2908
establishing business in, 4435
mineral industry, minerals yearbook chapter, 15467
mutual defense assistance, agreement, 13148
records of Dept. of State, microcopy, pamphlet to accompany—
political relations with U.S., 18068
relations with other states, 18069
- Belgrade, Yugoslavia, East of the Elbe, study mission report, 6104
- Bell, Glennis L., relative legibility of Leroy and teletypewriter symbols, 64
- Belleville Locks and Dam, Ohio River, navigation conditions, hydraulic model investigation, 1030
- Bellizia, Josephine A., relief, 769
- Bellmard, Adel L., or heirs, relief, 610
- Bellows:
fixture tests reliability through repetitive pressure/temperature cycling, 11448
metal, and flexible hose, predicting frictional loss, method, 9825D
- Bells, *see* Carillons.
- Belman, Albert A., wage chronology, International Paper Company, Southern Kraft Division, 8315
- Belorussian Soviet Socialist Republic:
Belorussian State University's Physics Department program, 17871
medical research development, 12731
programmed instruction, status, 1218
Scientific Research Institute of Animal Husbandry, achievements in 50 years of Soviet power, 15421
scientists and engineers, more needed to train specialists in microelectronics and bionics, 1271
- Belorussian State University, Physics Department program, 17871
- Beloyarskoye, Russian SFSR, atomic electric power station Imeni I. V. Kurchatov, radiation situation in area, USSR study, 15406
- Belsterling, Charles A., fluidic systems design manual, 15955
- Beltting, web bolt load measuring instrument has excellent stability, 14436
- Beltz, R. E., nucleic acids, annotated bibliography, 8534
- BEM pamphlets, 10419
- Benach Carreras, Bienvenido, relief, 271
- Bench, Nachman, relief, 9233
- Bencome, Luis E., relief, 282, 586
- Bending moments, *see* Moments.
- Bending of circular plates confining incompressible liquid, 97
- Bending tests of 2 large-diameter corrugated cylinders with eccentric ring stiffeners, 1506
- Bendura, Richard J., low subsonic static and dynamic stability characteristics of 2 blunt 120° cone configurations, 6893
- Benedict, John A.:
basic data on economy of—
Ireland, 5955
Portugal, 4443
- Benefit series service, unemployment insurance report, 3055
- Benfer, Richard H., Project Pre-Schaaner II, apparent-crater studies, 13342
- Bengal, Bay of, sailing directions, 5329
- Bennet, O. L., boll, fiber, and spinning properties of cotton, as affected by management practices, 11945
- Bennett, Gae A., agricultural policies in Western Hemisphere, 17714
- Bennett, Gordon D., analysis of aquifer tests in Punjab region of West Pakistan, 11187
- Bennett, Harold J., iron and steel scrap in Intermountain and northwestern Plains States, 16855

- Bennett, Robert L., address, Jan. 28, 1967, 15322
- Bennett, Wm. H., Texas leaf-cutting ant, 15278
- Benson, M. A., general field and office procedures for indirect discharge measurements, 11184
- Benson, Robert E., market trends for western white pine, 14089
- Benthic Polychaeta and Amphipoda of Morro Bay, Calif., 6956
- Benthos, benthic Amphipoda of Monterey Bay, Calif., 2751
- Bentley, N. M., claim, 7619
- Benton Lake National Wildlife Refuge, general information, 9519
- Bentonite, Umiat, unusual montmorillonite, analysis, etc., 13291
- Benzene:
- benzenoid chemicals and products, imports, 17253
 - rings, infrared vibrations, in condensed thiophenes, 8377
- Benzenoid chemicals, *see* Benzene.
- Berber, John S., phthalic and maleic anhydrides from low-temperature lignite tar, 9768
- Berea sandstone, *see* Sandstone.
- Berg, A. L., discussion on cybernetics, 4975
- Berg, Dennis, W., groin design, 16521
- Berger, C., study of electrical analogue for electroanalysis, 9591
- Berger, Martin J., stopping power and range tables for protons, mesons, and electrons, 5192
- Bergmann, Barbara R., structural unemployment in United States, 7872
- Bergner, Per-Erik E.:
- compartments, pools, and spaces in medical physiology, symposium, 15959
 - ergodic properties of tracer system, 13337
 - turnover compartmentalization, statistical tracer theory for analysis of whole-system retention data, 12012
- Bering River and Valley, area, geomorphic effects of earthquake, 2370
- Berkeley, Cyril, polychaetes, type-specimens, descriptions, 5310
- Berkeley, Edith, polychaetes, type-specimens, descriptions, 5310
- Berkner, Lloyd V., address, Oct. 7, 1966, 5281
- Berkopee, Frank D., performance of 2 sub-liming-solid-propellant thruster systems for attitude control of spacecraft, 6884
- Berkshire Hathaway Inc., wage chronology, 14297
- Berlin, Germany:
- East, study mission report, 7809
 - western—
 - economic statistics, handbook, 3388
 - establishing business in, 10458
- Bermuda, foreign trade regulations, 9017
- Bermudez, Marie del Carmen, relief, 316, 596, 818
- Bernardini, Albert T., effect of hypobaric and hyperbaric pressure on cell permeability, 7356
- Bernhard, R. K., stress and wave patterns in soils subjected to dynamic loads, 10255
- Bernhaut, Mildred R., scientific information notes, national and international developments, 3853
- Bernstein, Charles, relief, 850, 13778
- Bernstock, William M., bulletin of prosthetics research, 11889, 18246
- Bernzweig, Eli P., legal aspects of PHS medical care, 1582
- Berrier, Bobby L., isentropic plug nozzles, 6892
- Berries:
- bush, production, use, value, 1965-66, by States, 14695
 - frozen, U.S. standards for grades, 13897
 - see also* names of berries.
- Berry, Albert G., jr., relief, 13576
- Berry, Jane, counselling girls and women, awareness, analysis, action, 13968
- Bersamin, Julietta G., relief, 290, 531
- Berson, Minnie P.:
- daily program for child development center, 15204
 - save them young, New York State's pre-kindergarten program, 13962
- Bertin, John J., test times and boundary layer induced property variations in circular shock tube, 5242
- Bertran, Raul E., relief, 10538, 13480, 13738
- Bertsch, Anthony A., defense materials system, 9608
- Beryllium:
- ages of plutonium-beryllium neutrons in tungsten-water media, 1502
 - apparatus for fabrication of americium-beryllium neutron sources prevents capsule contamination, 14366
 - fluorination, kinetics, 12928
 - substrate, film of beryllium fluoride protects against corrosion, 8459
- Beryllium fluorides, film protects beryllium against corrosion, 8459
- Beryllium oxide:
- crucible cast from, impervious to flux and molten metal, 5152
 - status of development of dispersed fuel particles in BeO matrix, 7421
- Beryllium sulfate, hydrates, low-temperature thermodynamic properties, 9777
- BES, *see* Employment Security Bureau.
- BES series, 6199-6200, 12471, 17727
- Bess, T. Dale, light-intensity data of Trailblazer I reentry bodies, 2690
- Bessemer process, digital computers for controlling, USSR study, 1253
- Besser, Jack M., hobby shops, 17194
- Beta particles, beta excited X-ray spectra, compilation, 5789
- Beta rays, absorptometry with beta excited X-ray sources, 5770
- Bethard, Kimiko, relief, 797, 9221
- Bethlahmy, Nedavla, effect of exposure and logging on runoff and erosion, 9537
- Bethlehem, Pa., area wage survey, 11324
- Bethune, James E., performance of 2 slash pine varieties planted in south Florida, 9543
- Beverages, census of manufactures, industry report, supplement, 8933
- Bezates, Lambrini, *see* Bezates, Theodora.
- Bezates, Theodora, relief, 354
- BI series, 19, 5621, 8816-17, 13207
- BIA, *see* Indian Affairs Bureau.
- Bialek, Eugene L., handbook of oceanographic tables, 13024
- Bianchi, Eli E., relief, 13614, 13782, 14898
- Blaxial stress, *see* Strains and stresses.
- Bibliidae, *see* Files.
- Bibliography:
- acclimatization versus tolerance to stress, 17363
 - aeronautics, 4169
 - aeronautics survey, 10207
 - aerospace medicine and biology, 1442, 2620, 5197-98, 6739, 8444-45, 11431, 12883, 14408, 15519, 16934-935
 - cumulative index, 8443
 - Africa, problems and prospects, 13296
 - Africa, sub-Sahara, 17210
 - agriculture, 3056
 - Air Force Academy Library series, 5689, 10206-207
 - Air Force, 1960 scientific research, 7304
 - air pollution, 2805
 - aircraft noise and sonic boom, 4753
 - algal growth aqueous factors other than nitrogen and phosphorus, 6338
 - American agricultural books and periodicals, 14505
 - Antarctic bibliography, 6621
 - architecture, building and engineering, 13266

INDEX 1967

Bibliography—Continued

arms control & disarmament (periodical), 3041
 Army and Air National Guard, civilian in peace, soldier in war, 5732
 artificial kidney (periodical), 11718
 Atlantic community, 15752
 audiovisual materials, sources, 7912
 bibliographic list, Federal Aviation Agency, 4753
 bioastronautics, USSR, 1243
 black oak, 14105
 blood chemistry of fishes, 17783
 brant, contribution toward, 16634
 brazing and brazing alloys, 2618, 8439
 California water resources, 1126
 carbon monoxide, with abstracts, 1589
 chemical and petroleum plants, investment and operating costs, 14328
 children who need protection, 1892
 children's books, 6622
 children's literature, 5085
 climate, Vietnam, Republic, 16539
 color defective vision, diagnostic tests, 17411
 communications satellites, 11433
 community planning for health, education, and welfare, 16540
 compressed air, diving and submarine medicine, 6628-29, 14314
 cooperation in agriculture, 1954-64, 1517
 cooperatives, general reading list, 12977
 crime and delinquency, international bibliography (periodical), 3163
 dairy marketing economics, 13350
 East Asia, 5526
 Eastern Europe and USSR, 15763
 education, 8866
 education of disadvantaged children, 4709
 elm spanworm, 2287
 external research paper, 7144
 family life and sex education, 6184
 farm management, etc., 7055
 ferrocene polymers, 2156
 fire performance of wood, 14081
 flame spectroscopy analytical applications, 1800-1966, 8519
 floriculture and ornamental horticulture, marketing and other economic information, 7885
 fluid amplifiers, 11400
 food chains, voluntary and cooperative, 10077
 food stores, 7112
 foreign countries, statistical publications, 3350
 forest conservation, 6363
 forest fires, Forest Service forest fire research staff, etc., publications, 8052
 Forest Service outdoor recreation research publications, 12568
 forest trees, genetics and breeding, 4827
 furniture retailing, 15732
 Government research and development reports, abstracts, etc., 3984
 Government-wide index, 3381
 grassland research, statistical methods, 10185
 guidance and counseling, 5689
 guide for professional reading for officers of Navy and Marine Corps, 17079
 hallucinogenic drugs, 14072
 hallucinogens, 12560
 hardware retailing, 7113
 high energy propellants, 11431
 Hispanic Foundation series, 12779
 historical data on hours and earnings, selected references, 8223
 hobby shops, 17194
 housing and community development, films, etc., 11204
 housing and planning references (periodical), 3402
 housing and urban planning, 4905
 hydroelectric power, pumped storage, 14707

Bibliography—Continued

hydroelectric projects, Bratsk and Krasnolarsk, Central Siberia, USSR, 8665
 insect-vascular plant associational studies, 8804
 intelligence, 7338
 job printing shop, 15731
 labor-management relations, 11294
 labor management relations act, 1947, as amended by Labor-management reporting and disclosure act, 11599
 labor mobility, 15432
 lasers and masers, 14407
 Latin America, paperback books, 12779
 Liesegang rings, 15590
 low energy electron collision cross section data, 8521
 lubrication, corrosion and wear, 2621
 lunar surface studies, 11432
 management (excluding personnel), 10228
 Marine Corps historical bibliographies series, 14310
 marketing economics research publications, 13944
 marketing information guide, 3544
 marketing woody plants and related products, 1708
 mass spectroscopy, 15961, 17393
 medical reviews, 15597
 medical translations (periodical), 3057
 annual index, 14526
 mental health evaluation, 5421
 mental retardation, 4896
 mentally ill, community care, 1590
 methodological reports on census, 10382
 Mexican-Americans, 8282
 microwave and high frequency, 17031
 military pyrotechnics series, engineering design handbook, 1750
 monetary theory and policy, domestic aspects, 8001
 MS-222, 8033
 national forests, 11710
 Navy training publications for advancement in rating, 11667
 neural sciences, translations, 17137
 New England regional economic research and planning, 7871
 nuclear energy for water desalting, 12014
 nuclear explosives, civil, industrial, and scientific uses, 5787
 nucleic acids, 8534
 nursing care of the aged, 10056
 nursing in coronary care units, 5452, 11754
 open space land planning and taxation, 12627
 PACAF basic bibliographies, 4169, 7338, 8866-67, 10227-230, 11950, 13266
 personnel literature, 3682
 personnel management and training, 10230
 pet shops, 17195
 phenylketonuria, 5906
 photography, 8867
 plastics, 981, 17702
 ponderosa pine, 17805
 price list, selective bibliography of Government research reports and translations, 1933
 professions, employment and training opportunities for women, 1669
 program analysis techniques, 1824
 psychology, 10206, 11950
 public health series, 1589-90, 7083, 8642-43, 11753-754, 13090, 15705
 radioactive waste processing and disposal, 5786
 radiobiology, 13343
 radioisotopes—
 biological sciences, 10304
 experiments in high school biology, 5797
 techniques for instruction in biological sciences, 8910
 radionuclide standardization, 15682
 Randall Jarrell materials in collections of Library of Congress, 12780
 Reclamation Bureau, 8665

Bibliography—Continued

- red-tide, 9520
 refuse collection and disposal, 8642, 11753
 regional economic development, resource materials, 4684
 religion and mental health, 11719
 research and development, congressional concern, 1641
 retail operating costs and ratios, 5493
 retail store advertising, 5494
 Ryukyu Islands, 10267
 science facilities, literature related to planning, design, and construction, 14561
 second breakdown in semiconductor devices, 18082
 small business, 1600, 2856, 5493-95, 7112-13, 10077, 15731-732, 17194
 recordkeeping systems, store and service trade, 2856
 smoking and health, 15705
 snow, ice, and frozen ground, 14791
 social security, 7124
 soil and water conservation, 8806
 south Asia, 11832
 southeast Asia, 13141
 space exploration, PACAF basic bibliographies, supplement, 10227
 spinal cord injury, supplement, 5585
 stimulants and depressants, 14073
 store location, 1600
 supplementary compensation, selected references, 5082
 swimming pools and natural bathing places, 13096
 technical translations (periodical), 3933
 temperature measurement, 11584
 training retail salespeople, 5495
 tree nut production and marketing research, 13233
 unemployment program, 1951-66 research studies, 6200
 urban affairs, selected readings, 8200
 urban public transportation, 2385
 vacuum and low-pressure measurements, supplement, 12984
 Vietnam, 15805
 vigilance, human and animal, 9753
 vocational education, 9414
 walnut and related species, 8108
 water for peace, 10439, 14872
 WB/EC series, 16539
 weather modification, 1944-66, in Soviet Union, 17903
 women workers, mature, 5597
 Wood, Robert C., published works, 6416, 11195
 wood finishing, 14082
 wood preservation, 14083
 writing, 17130
 see also names of departments, etc., issuing lists of publications.
- Bicarbonates, see Carbonates.
 Bickart, Charles M., relief, 790, 12332, 16124, 16167
 Bickford, W. J., signal processor employing synthetic phase isolator, 11397
 Bidding, see Government contracts.
 Biderman, Albert D., District of Columbia study on victimization and attitudes toward law enforcement, 13058
 Biedermann, Konrad, layout, equipment, and work methods for school lunch kitchens and serving lines, 4121
 Bieniewski, Carl L., mineral industry of Colorado, 8345
 Bienstock, Daniel, process development in removing sulfur dioxide from hot flue gases, etc., 12831
 Bifano, William J., solar direct-energy conversion systems operating between 1.0 and 0.1 astronomical unit, 6856
 Big game, see Game and game birds.
 Big job ahead, 8663
 Big Sandy Creek and Valley, Lincoln, Cheyenne, and Kiowa Counties, Colo., geology and ground-water resources, 11191
 Big Snowy group, see Mississippian period.
 Bigcone Douglas-fir, see Fir.
 Biggs, Archie A., fireplaces and chimneys, 8825
 Bighorn Canyon National Recreation Area, establish, law, 383
 Bikerman, J. J., foam fractionation of inorganic solutions, 12642
 Bilello, Michael A., Arctic and subarctic temperature inversions, 4200
 Bilezikjian, V., parametric analysis and preliminary design of shaft-driven rotor system for heavy-lift helicopter, 116
 Bilingual Children, Advisory Committee on Education of, see Education of Bilingual Children Advisory Committee.
 Biller, James C.:
 housing and urban development notes, 3403
 urban renewal notes, 4010
 Billings, Mont., Federal-aid Interstate highway frontage road, justification, Public Roads Bureau, GAO review, 2348
 Billingsley, C. H., sampling tool to extract cores from baled hay or straw for analysis, 13201
 Bills (congressional):
 Agriculture Committee hearings on miscellaneous bills, 709
 armed services, hearings on miscellaneous bills, 717-718, 720, 723, 942, 2043-44, 2108, 4524, 4526, 10637, 10639, 13696-697, 16311-312, 17593
 digest, 3206
 history, 3132
 Biloxi, Miss.:
 harbor modification, engineers report—departmental edition, 4730
 document edition, 4474
 Binary diffusion, see Diffusion.
 Bindery workers, examination announcement, amdt., 204
 Bindweed, field, control method, 14749
 Bingham, George C., catalog, paintings, exhibition, 18084
 Bingham, R. T., economical and reliable estimates of general combining ability for blister rust resistance obtained with mixed-pollen crosses, 9536
 Binocular vision:
 acuity of adults, by region and selected demographic characteristics, United States, 13099
 pilot considerations, effect of age on fusion time, 4253
 Bins, potato storage, 20,000 cwt, arched roof, 13230
 Blonssay, see Biological assay.
 Bioastronautics, bibliography, USSR, 1243
 Biochemistry:
 and Soviet Minsk-2 computer, Bulgarian study, 4947
 behavioral model of man, 1967, his chains revealed, 14401
 biochemical basis of movement of cilia and flagella, structural organization, USSR study, 12696
 biochemical procedures, 7414
 inflight biochemical responses utilizing parotid fluid collection technique, determination, 4187
 nervous system, 4th all-Union conference, 1336
 protein nutrition, USSR book review, 15405
 radiation, role of Bulgarian scientists, 1159
 Soviet research on biochemistry of brain and muscles, 14214
 viruses, USSR study, 15364
 Biochemists, examination announcement, amendment, 17453
 Bioengineering, research and manpower, national workshop proceedings, 15703

INDEX 1967

Biography:

- Academy of Sciences, Latvian SSR, members, 1163
- members of President's Committee on Mental Retardation, 5497
- men and milestones in American agriculture, 2039
- NASA astronauts, space flight team, 11423
- State Department biographic register, 14670
- USSR scientists, 1330
- women of 90th Congress, 14728
- see also* subjects of biographical sketches.
- Biologic fluids, *see* Body fluids.
- Biological assay:
 - laboratories, labor saving devices, 16624
 - meeting, Oct. 7-8, 1965, Albuquerque, N. Mex., proceedings, 5766
- Biological chemistry, *see* Biochemistry.
- Biological Laboratory, Galveston, Tex., report, 17773
- Biological Laboratory, Gulf Breeze, Fla., annual report, 14055
- Biological Laboratory, St. Petersburg Beach Fla., contribution, 12545
- Biological physics:
 - Moscow Naturalist Society, Biophysics Section, activity, 4971
 - scuba diving, biologic and physical aspects, 11953
- Biological products:
 - biological products produced and destroyed in licensed establishments, list, 5619, 15832
 - biological samples, pesticide residues, cleanup, etc., 13200
 - regulations, Public Health Service, 11720
- Biological sciences, *see* Biology.
- Biological Sciences Department, Hungarian Academy of Sciences, secretarial report, 1269
- Biological warfare:
 - antibacteriological defense and decontamination of naval vessels, USSR study, 8248
 - bacteriological weapons and how to defend against them, USSR study, 15412
 - biological weapon, indication, USSR study, 6574
 - decontamination with hypochlorite, 10012
 - defense, Army field manual, 1758
 - field CBR collective protection, Army technical manual, 5740
- Biologists:
 - examination announcement, 14856
 - discontinuance notice, 16077
 - fishery, examination announcement, discontinuance notice, 16077
 - wildlife, examination announcement, discontinuance notice, 16077
- Biology:
 - aerospace—
 - bibliography, 1442, 2620, 5197-98, 6739, 8444-45, 11454, 12883, 14408, 15519, 16954-955
 - cumulative index, 8443
 - protons and space travel, 1731
 - agricultural/biological vocabulary—
 - alphabetical list, 17026
 - categorized list, 17025
 - associate training programs, NIH, 5420
 - bases for compiling biological program to study productivity of fresh-water complexes outlined, USSR study, 5008
 - biological catalysts models, USSR study, 14239
 - biological data, tropical Atlantic Ocean, Equalant III, report, 8569
 - biological effectiveness of various types of radiations, USSR study, 5032
 - biological effects of—
 - ionizing radiation, bibliography, in dexes, 13343
 - radiation, 5434
 - ultrasound, USSR study, 11268

Biology—Continued

- biological field investigative data for water pollution surveys, 1073
- biological macromolecules study, light scattering method, Rumania, 14234
- biological oceanography of eastern tropical Pacific, 8038
- biological sciences—
 - national program of research (address), 15835
 - radioisotopes, annotated bibliography, 10301
- biological systems, ionic transport, model membrane studies, 6443
- Bredin-Archbold-Smithsonian biological survey of Dominica, 5316, 6962
- control sciences applied, USSR studies, 1322
- dwarf mistletoe parasitizing true firs in California, 5685
- electronics application, USSR research, 4970
- freeze-dry preservation of biological specimens, 6950
- high school, radioisotope experiments, bibliography, 5797
- International Biological Program—
 - support of Congress, etc., hearings, 17612
 - USSR plans, 15380
- molecular aspects of biological development, 6711
- new era, USSR comment, 9621
- program, AEC authorizing legislation, 1968, hearings, 10491
- problems of biological productivity of terrestrial plant communities, USSR conference, 4968
- radiation transport and biological effects, special sessions, proceedings, 13314
- radioisotope techniques for instruction in biological sciences, 8910
- research—
 - recent developments, Rumania, 9671
 - reports from Priroda, 16778
- samples taken during orbital flight, storage problems, 9820
- simulation, USSR study, 15356
- thermodynamic equilibrium in prebiological atmosphere, etc., 11426
- USSR—
 - biological problems studied by Vityaz research vessel, 11269
 - biological sciences, better coordination of research and practice urged, 6500
 - translations, 14271
- see also* Germ-free life—Marine biology—Photobiology—Radiobiology—Space biology.
- Bionautics, considerations relevant to manned space flight, 16911
- Biomedicine:
 - biomedical application teams, space application, etc., 15495
 - biomedical monitoring during dynamic stress testing—
 - Flack test, 7360
 - instrumentation and normal values, 7343
 - Levy hypoxia test, 7344
 - maximum exercise tolerance, ergometer, 7361
 - tilt table orthostatic tolerance test, 7362
 - Communist Chinese abstracts, 3115
 - East European abstracts, 3217
 - research in service of man, biomedical knowledge, etc., conference proceedings, 17617, 17654
 - scientists, elections to Academy of Sciences, USSR, 1331

- Biomedicine—Continued
translations, bibliography (periodical), 3057
USSR abstracts, 4025
- Biometry:
notes on biometry in medical research, 17284
repeated measurements on experimental units in 2-way classification, analysis, 7348
- Bionics:
and control systems, USSR study, 1323
bionics and reliability, USSR study, 11251
contemporary problems and their philosophical significance, USSR studies, 1337
more Belorussian scientists and engineers needed to train specialists, 1271
odors, measurement and control, bionic aspects, USSR study, 9652
second all-Union conference, 1220
Soviet research, reports, 1259
USSR research and personnel training, 16773
- Biophysics, *see* Biological physics.
- Biosynthesis, controlled biosynthesis, USSR study, 11263
- Bio-thermal responses to varied work programs in men kept thermally neutral by water cooled clothing, 8423
- Bipolar current driver for memory circuits, 2627
- Birch:
defects associated with injuries made by *Xyloterinus politus* Say, pictorial description, 4833
paper and yellow birch, germination and growth in simulated strip cuttings, 4849
- Birch Creek, travertine depositing stream, Inyo County, Calif., physical and chemical description, 8171
- Bird, Kermit, speech, June 20-22, 1966, 12458
- Birds:
Anahuac National Wildlife Refuge, list, 11085
Aransas National Wildlife Refuge, list, 4804
birds and aircraft on Midway Islands, 1959-63 investigations, 4809
birds in our lives, announcement and order form, 1565
breeding bird survey, 12550
Cape Romain National Wildlife Refuge, list, 17777
Cross Creeks National Wildlife Refuge, list, 8029
Delta National Wildlife Refuge, list 17781
Florida Keys national wildlife refuges, list, 17780
Imperial National Wildlife Refuge, list, 12547
Klamath Basin national wildlife refuges, list, 15262
Loxahatchee National Wildlife Refuge, list, 11080
McNary National Wildlife Refuge, list, 11081
Mark Twain National Wildlife Refuge, list, 11083
Modoc National Wildlife Refuge, list, 11082
protected by Federal law, list, 11091
Ravalli National Wildlife Refuge, list, 11084
role of depressor mandibulae muscle in kinesis of avian skull, 11610
St. Marks National Wildlife Refuge, list, 11079
Santa Ana National Wildlife Refuge, list, 17779
Seedskadee National Wildlife Refuge, list, 11086
Seney National Wildlife Refuge, list, 17778
- Birds—Continued
Tamarac National Wildlife Refuge, list, 15264
Waubay National Wildlife Refuge, list, 15263
see also Water birds.
- Birefringence, sprayable birefringent coating enables strain measurements on large surfaces, 2680
- Birmingham, Ala., area wage survey, 14286
- Birnbaum, Abraham H., interpretation of vertical and oblique photographs, 5750
- Birth:
and fetal death registration, hospital band book, 11737
natality statistics analysis, 8662
natality, vital statistics of U.S., 15716
records, where to write, 11765
registration, physicians' handbook, 13088
- Birth control:
family planning—
community action for health, 2167
programs in developing countries, 8227
report, 1136
- Bis(2-guanidoethyl) disulfide, mechanism of action of AET, protection of DNA against ionizing radiation by GED, 5713
- Bismuth:
disposal from national and supplemental stockpiles, report, 14938
mineral industry survey, quarterly, 3059
- Bisplingholl, Raymond L., address, Sept. 2, 1966, 5280
- Bitter Lake National Wildlife Refuge, geological mineral resources, 17821
- Bitter rot, apples, general information, 17320
- Bitterbrush, measuring seed production on plants with variable crown density, 11122
- Bituminous coal, *see* Coal—Coal mines and mining.
- Bjork, R. L., impact effects as applied to meteoroid hazards, 12855
- Bjurstad, A. J., cattle in woods or woods in pasture, 14693
- Black, Cyril E., neutralization in southeast Asia, 2116
- Black, David S., nomination, hearing, 15161
- Black, Donald J., crime and law enforcement in major metropolitan areas, 13060
- Black, Dorothy J.:
basic data on economy of South Viet-Nam, 7577
foreign trade regulations of Malaysia, 13458
- Black, Ralph J., refuse collection and disposal, 8642, 11753
- Black, William R., heavier loading of watermelons in rail cars and piggyback trailers, 10154
- Black Bayou:
engineers report—
departmental edition, 15224
document edition, 14930
- Black body, *see* Blackbody.
- Black cherry, *see* Cherry.
- Black Hills, southern geology and uranium deposits (series), 12597, 14168
- Black locust, *see* Locust trees.
- Black oak, *see* Oak.
- Black Partizan site, archeology, 5499
- Black Sea, lights and fog signals, list, change, 1538, 5333, 11643, 18190
- Black turpentine beetles, *see* Beetles.
- Black walnut, *see* Walnuts.
- Blackberries:
erect and trailing diseases, description, control, etc., 1681
growing, 14740
- Blackbirds, protecting corn from blackbirds, methods, 16637
- Blackboards, slate, standard sizes, standard of trade, 5285
- Blackbody, modified device emits high-density radiation, 17995
- Blackburn, Benjamin B., contested election, report, 12271

- Blackburn, Maurice, biological oceanography of eastern tropical Pacific, 8038
- Blackbutt eucalyptus, *see* Eucalyptus
- Blackiston, Slater C., Jr., relief, 13588
- Blackleg, cattle blackleg, cause, control, etc., 14748
- Blacklight traps, *see* Insect traps.
- Blade, O. C.:
aviation turbine fuels, 9762
burner fuel oils, 16860
diesel fuel oils, 1966, 2568
motor gasolines—
summer, 2569
winter, 12811
- Blades:
blade-element performance of 2-stage axial-flow pump with tandem-row inlet stage, 11513
rotor, tandem-rotor helicopter, aerodynamic loads and dynamic response, predicting, 13310
self-locking, supports work platform, 12906
transient blade motions of rotor with flapping and lead-lag degrees of freedom, numerical method for studying, 17010
turbine blade loading, advanced concepts to increase, experimental investigation, 12850
turbine blade root design concept promises superior alignment, 6782
working blade-rings of turbines, etc., friction and leakage losses, 5277
- Blaha, Bernard J., technique for verifying structural integrity of full-scale segments of launch vehicles at transonic speeds, 6906
- Blake, Doris H., revision of beetles of genus *Glyptoscelus*, 14533
- Blake, Henry E., Jr., Pederson process adaptation to ferruginous bauxites of Pacific Northwest, 9788
- Blake, Wilson, stresses and displacements surrounding open pit in gravity loaded rock, 14356
- Blackley, Earl R., soil survey, Hall County, Tex., 14655
- Blank, H. Richard, Jr., geologic interpretation of aeromagnetic survey of Iron Springs district, Utah, 11173
- Blankenship, Ben, agricultural situation, 3002
- Blankenship, Charles P., extrusion of 1/2- and 3/4-inch-diameter, thin-wall tungsten tubing using floatlog-mandrel technique, 5250
- Blankenship, Martha, relief, 835, 13729, 16166, 17491
- Blast, protection with in-tank valve shutoff, 2645
- Blast furnaces:
industry manpower survey, 17729
iron, developing thermochemical model, measurement of rate coefficient for reduction of iron ore pellets in packed bed, 17915
iron, thermochemical reduction zone, developing mathematical model, 14334
natural gas injection and oxygen-enriched blast operation, 12828
pressure drop across fixed beds of anthracite briquettes and blast furnace materials, 11375
see also Slag.
- Blasting:
grit blasting nozzle fabricated from mild tool steel, satisfactory performance, 6762
presplitting rock cuts, controlled technique, 5476
see also Explosives.
- Bleaching:
effect, in $ZnS(Co)$ crystals under influence of ruby laser pulses, 9926
patent classification definitions, 5369
wood, 15282
- Blepharidae, *see* Entomacrodus.
- Blew, J. Oscar, Jr.:
comparison of wood preservatives in—
Mississippi, post study, 1967 progress report, 11110
stake tests, 15281
preservative treatment of fence posts and farm timbers, 10165
- Blind:
aid to the blind and OASDI recipients, comparison between beneficiaries and nonbeneficiaries, 11799
computer programmer, translator program converts computer printout into Braille language, 11441
District of Columbia register, establish, report, 16382
new life for blind, vocational rehabilitation, 17184
new vistas for the blind, 2378
public assistance money payments to recipients, 4751
salaries for selected occupations in services for blind, 2499
State agencies, directory, 7220
statistical data on blindness, USSR, 2470
Blinded Veterans' Association, legislative program, hearings, 9172
- Blindness:
flashblindness—
experiment in F-4C flight simulator, 1738
F-106B aircraft experiment, 17349
- Blindness Statistics, Model Reporting Area, *see* Model Reporting Area for Blindness Statistics.
- Bliss, J. C., tactual perception, 6706
- Blister rust:
growth rate and survival probability of blister rust cankers on sugar pine branches, 14103
resistance obtained with mixed-pollen crosses, economical and reliable estimates of general combining ability, 9536
see also Sweetfern blister rust.
- Blocker, H. Derrick, classification of Western Hemisphere *Balclutha* (Homoptera: Cicadellidae), 8547
- Blocks:
concrete—
incinerator, building plan, 4124
industry, work injuries and accident causes, 16813
wave tests of revetment using machine-produced interlocking blocks, 16519
- Blomstrom, Mitsuo, relief, 15069, 16206, 17510
- Blood:
anticoagulation therapy, laboratory control, 17358
artificial, circulation in cats, systemic vascular reactions, USSR study, 11287
blood chemistry of fishes, bibliography, 17783
carbon dioxide content, electrochemical technique for measuring, 10243
cardiac output, etc., of unanesthetized swine, 4186
carotid and femoral artery blood flow in hyperthermic cats, 5710
cells, airmen who apply insecticides from aircraft may suffer ill-defined effects, 17410
cells, permeability, effect of hypobaric and hyperbaric pressure, initial observations, 7356
chemistry, *Macaca mulatta* monkey, normal values, 7368
clotting studies in submarine crew, serial analysis of clotting mechanism during prolonged submergence, 12790
coagulation mechanism, effects of monomethylhydrazine, 17361
coronary circulation in normal and pathologic heart, 11999
enzyme response on man in oxygen-hellum atmosphere, 85

Blood—Continued
 erythrocytes changes in rats trained to hypoxia, USSR study, 1985
 fibrinolytic, and postmortem tissues, procurement and utilization, 11289
 fibrinolytic mechanism in-vivo inactivation of antihemophilic globulin by hydrazine, 14771
 glucose concentration, affects the effects of hydrazine on fat transport, 65
 Hematological Service of USSR and immediate tasks confronting it, 6584
 hemophilic, anticoagulant effect, clotting prolonged in canine transmitter, 10244
 hemostasis and coagulation, 7340
 influence of long-term lower body negative pressure on circulatory function of man during prolonged bed rest, 1734
 mathematical methods in interpreting and evaluating proteinogram and their practical significance, USSR study, 12694
 mean blood hematocrit of adults, 10069
 oxygen saturation determined by transmission spectrophotometry of hemolyzed blood samples, 16936
 plasma—
 dogs, effect of oxygen on sulfhydryl groups, 5712
 effects of ionizing radiation on concentration of amino compounds, 5714
 volume response to tilting, effects of bed rest and water immersion, 7345
 preservation, tasks and problems, USSR study, 1229
 renal flow, effect of hydrazine, preliminary study, 11967
 Rh factor, 2817
 sodium and water excretion and renal hemodynamics during lower body negative, 14770
see also Gamma globulin.
 Blood banks, laboratory procedures in blood banking, Army technical manual, 5745
Blood pressure:
 hypertension and heart disease, 3 views, 8658
 intra-aortic and auscultatory, comparison of simultaneous measurements with pressure-flow dynamics during rest and exercise, 4254
 monitoring device, automatic indirect, design, etc., 73
 renal disease and hypertension, Public Health Service cooperative studies, conferences, proceedings, 17160
 Blood transfusion, *see* Blood.
 Blood vessels, artificial parts, fact sheet, 11729
see also Arteries.
 Bloodletting, history, synopsis, 12442
 Bloomfield, Lincoln P., arms control and limited war in developing areas, 15924
 Bloomington, Calif., ground water, patterns of subsurface flow, 1118
 Blowdown, high speed system, provides rapid pressure loss, 8468
Blowers:
 current industrial reports, 3170, 12070
 industrial plant equipment handbook, 4674
 Blowtorches, welding torch and wire feed manipulator, 17993
 BLS, *see* Labor Statistics Bureau.
 BLS report series, 2492-95, 5054-55, 8300, 11309, 12768, 14282, 15437, 16812-513, 17890-891
 Blue collar workers, examination announcement, 12102
see also Government officials and employees.
 Blue Cross, *see* Health Insurance.
 Blue Mountains:
 Oregon and Washington, defect estimation for grand fir, Engelmann spruce, Douglas-fir and western larch, 2289

Blue Mountains—Continued
 summer range, fluctuations in forage quality, 16663
 Blue Ridge, ground water, 9566
 Blue Ridge Parkway:
 extension, report, 16243
 general information, 13002
 Blue Shield, *see* Health Insurance.
 Blue tongue, sheep, incidence, 13
 Blueberries, dehydrated explosion puffed, new method for preparing, description, 7249
Bluestem:
 Flint Hills and Osage pasture report, Kansas and Oklahoma, 14692
 range, common plants of longleaf pine, 2334
 Blum, Barton M., accuracy of mean-growth estimates made with dial-gage dendrometers, 8079
Blunt bodies:
 local flow properties and drag coefficients, 18056
 spherically blunted cones—
 aerodynamic characteristics at Mach 20, 14488
 with base flares, aerodynamic characteristics, 1486
 supersonic gas flow around blunt bodies, 12974
 Blunt, J. R., gravity independent vapor absorption refrigerator, 14385
 Blyth, James E.:
 pulpwood production and consumption in north central region by county, 2337
 rising pulpwood prices stimulate largest Lake States pulpwood harvest, 14101
 Board of Education of District of Columbia, *see* District of Columbia.
 Board of Regents of Smithsonian Institution, *see* Smithsonian Institution.
 Board of Trustees of Federal Hospital Insurance Trust Fund, annual report, 7601
 Board of Trustees of Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds, annual report, 10504
 Board of Trustees of Federal Supplementary Medical Insurance Trust Fund, annual report, 9056
Boards of education, *see* Educational boards and departments.
Boards of Review, Judge Advocates General, court-martial reports, holdings and decisions, 4671
Boating:
 accident reporting, rules and regulations, 9007
 laws and regulations, safety, etc., 220
 private pleasure, in national forests of Minnesota, 8068
 recreational, official Coast Guard guide, 219, 4419
 recreational, safety, hearing, 17603
 statistics, motorboat numbering, boating accidents and related activities, 9000
Boats:
 boat landing, building plan, 39
 official Coast Guard recreational boating guide, 219, 4419
Boatswain's mate:
 I&C, Navy training course, supplement, 13025
 3 & 2, Navy training course, supplement, 13025
 see also Aviation boatswain's mate.
 Bobb, C. Donald, static stability investigation of sounding-rocket vehicle at Mach numbers from 1.50 to 4.63, 12934
Bodies (aerodynamics), *see* Aerodynamics.
Bodies of revolution:
 ablating bodies in ballistic range, thermal radiation studies, survey, 5234
 paraboloidal shells of revolution, differential equations of axisymmetric vibration, 17946

Bodies of revolution—Continued
 pointed slender, turbulent-boundary layer characteristics at supersonic speeds, 18026
 shells of revolution possessing variable thickness heat protection, stiffness matrix solution, 11514
 Body (human), *see* Anatomy.
 Body composition:
 adult men, 14780
 changes, during acute starvation, metabolic aspects, 7412
 effects of diet and altitude on body compartments of rats, 10295
 military population, Ft. Carson, 1963, body density, fat, and potassium 40, 120
 urinary creatinine excretion as index of fat-free mass composition in rats, 7415
 Body fluids:
 effects of diet and altitude on body compartments of rats, 10295
 measurement of trace levels of deuterium oxide in biologic fluids using infrared spectrophotometry, 11964
 microanalysis, automatic, apparatus for, 2646
 Body temperature:
 achievement of thermal balance and its maintenance during environmental stress, 1822
 temperature-sensing telemetry system for rhesus monkeys, 17360
 Body volume of adult men, 14780
 Body weight, food and your weight, 14744
 Boe, Kenneth N., sound wood residue left after experimental cuttings in old-growth redwood, 14106
 Boehler, Gabriel D., investigation of lightweight structural design techniques for lightweight fans, 117
 Boehm, Charles F.:
 addresses, etc.—
 May 24, 1967, 10456
 May 25, 1967, 10455
 Sept. 8, 1967, 16098
 Boehmisms, microfibrous, bonded with molybdenum disulfide, use as dry-film lubricants, 10001
 Boettcher, Arnold J., ground-water development in High Plains of Colorado, 4893
 Boeuf Bayou:
 engineers report—
 departmental edition, 15224
 document edition, 14930
 Bogdanoff, John L., atlas of off-road ground roughness P.S.D.'s, 4195
 Boggs, Howard L., guide for preliminary design of arch dams, 5479
 Bogue Inlet:
 to Moore Inlet, N.C., hurricane survey, engineer report—
 departmental edition, 2204
 document edition, 1997
 Bohannon, Billy:
 effect of size on bending strength of wood members, 1094
 flexural behavior of large glued-laminated beams, 8104
 Bohlin method, *see* Mathematics.
 Bohr-van Leeuwen theorem, *see* Equations.
 Boilers:
 construction, material and strength properties of components, results of ultrasonic testing in practice, 13339
 forced-flow, single-tube boiler—
 frequency response, 12952
 with inserts, frequency response, 18022
 industrial, industrial plant equipment handbook, 977
 instabilities due to coupling feed system and subcooled region, 9917
 power, steel, current industrial reports, 4341, 13395

Bolling:
 characteristics of wicks, vapor-chamber fin studies, 14379
 convection boiling inside channels, study, 7430-31
 film boiling from horizontal wire, laminar flow analysis, 14456
 film-boiling heat transfer from flat plate, effect of subcooling and radiation, 14453
 fluid properties and gravity level, effects on boiling in discrete bubble region, 15562
 heat transfer, and bubble mechanics, in zero-gravity environment, 5164
 water, in single-tube heat exchanger, pressure drop and heat transfer, 14463
 see also Nucleate boiling.
 Boiling water reactors, *see* Reactors (atomic).
 Boise, Idaho:
 area wage survey, 17897
 vicinity, tributaries of Boise River, flood control, etc., engineer report—
 departmental edition, 10959
 document edition, 10497
 Boise River and Valley:
 tributaries, flood control, etc., engineer report—
 departmental edition, 10959
 document edition, 10497
 Boldman, Donald R., heat transfer, in convergence nozzles, with uncooled pipe inlets, 17005
 Boldt, Robert F., generating random information for experimental decision problems, 4225
 Boles, Patrick P., wholesale distribution facilities for Huntington, W. Va., 4
 Boling, Jewell, counselor's handbook, 7922
 Bolivia:
 agricultural commodities, agreement, 8723, 11838
 mineral industry, minerals yearbook chapter, 12798
 records of Dept. of State, microcopy pamphlet to accompany, internal affairs, 18063
 Boll, fiber, and spinning properties of cotton, as affected by management practices, 11945
 Boll weevils, *see* Weevils.
 Bollen, W. B., primary microbiological succession on landslide of Alpine origin at Mount Rainier, 11119
 Boller, J. R.:
 random-scan display of predicted satellite positions, 9994
 use of NTDS as satellite display, 14593
 Boller, K. H., horizontal machine for testing structural wood elements in tension, 8062
 Bollworms:
 aerial dispersal in U.S. and Mexico, 5678
 corn earworm in sweet corn, control, 14747
 large-scale field evaluation of electric insect traps to reduce bollworm populations in Reeves County, Tex., 11915
 moths, ultrasonic speaker for studies of acoustic sensitivity, 4083
 pink, method of evaluating cotton gins for kill, 10147
 spiny bollworm, new plant pest, 8840
 Bolsenga, S. J.:
 Great Lakes snow depth probability charts and tables, 12776
 total atmospheric water vapor aloft over Great Lakes basin, 16833
 Bolshevism, *see* Communism.
 Bolts and nuts:
 cable clamp bolt fixture facilitates assembly in close quarters, 15533
 mixed bolts, nondestructive test method accurately sorts, 2679
 pneumatic wrench refuels or discharges nuts or bolts as desired, 6701
 single wrench separates nuts from free-floating bolts, 14363

- Bolts and nuts—Continued
stress distribution near explosively expanded rock bolt anchors, 5126
- Bolz, Henry, Dam and Reservoir, *see* Henry Bolz Dam and Reservoir.
- Bombardment, high-purity single-crystal silicon with protons, 11534
- Bombay Hook National Wildlife Refuge, general information, 4803
- Bombers, *see* Airplanes.
- Bombing airplanes, *see* Airplanes.
- Bond, Deborah T., State labor legislation in 1966, 5052
- Bond, J. A., vaporization of high-temperature potassium, 14391
- Bonding, performance and payment bonds on ship construction contracts, Maritime Administration policy, etc., GAO review, 2350
- Bonding of materials:
brass alloy holds bonding strength over wide temperature range, 5207
dry-film lubricants from molybdenum disulfide bonded with microfibrinous boehmite, 10001
heat transfer and ultrasonic transmission properties, correlation established, 8389
oxides of high temperature alloys, 10016
refractory metals by vapor deposition, 14432
silver plating ensures reliable bonding of dissimilar metals, 14461
ultrasonic quality inspection of bonded honeycomb assemblies is automated, 2664
vibrations of hollow elastic cylinder bonded to thin casing of different material, 18048
- Bonds:
municipal revenue, interest cost effects of commercial bank underwriting, 16592
open market money rates and bond prices, monthly, 3655
purchase plans, income tax, laws and regulations, 9596
sales for public school purposes, 6176
see also Bail—Savings bonds.
- Bonds of United States, *see* Government securities—Savings bonds.
- Boner, F. C., floods of June 1964 in northwestern Montana, 15314
- Bones:
cancer, health information, 17147
preparation, preservation, and use in plastic surgery of joints, USSR study, 15347
see also Skeletons.
- Bong Oh Kim, relief, 10725
- Bonin, Joseph M., economic effects of seasonality in OASDHI tax payments, 17203
- Bonner, F. T., responses of 1-year-old cottonwood to increasing soil moisture tension, 14122
- Bonneville, Lake, Weber Delta district, geology and hydrology, 6400
- Bonneville Dam, fish passage report, 13974
- Bonneville Power Administration:
advance program, 12026
anniversary of act, take official note, report, 15097
appropriations, 1967, law, 403
appropriations, 1968—
hearings, 12287, 16393
report, 13678
generation and sales statistics, 7448, 15982
programs, briefing session, hearings, 10655
- Bonura, M. S., engineering criteria for spacecraft cabin, atmosphere selection, 16912
- BONUS power station, *see* Nuclear reactor power plants.
- Bonus system, code of Federal regulations, 11043
- Book lists, *see* Books.
- Book stores, *see* Stores.
- Bookbinders, examination announcement, amdt., 204
- Bookcases, wood, executive office, Federal standard, cancellation, 6307
- Booker T. Washington National Monument, general information, 8552
- Bookkeeping, organization at Luganek locomotive-building plant, USSR study, 1293
- Bookmobiles, from buttermilk to gum log, serving Arkansas River Valley families, 12466
- Books:
American agricultural, in print, selected list, 14505
catalog of copyright entries, 12432, 16451
children's, 1966, list, 6622
Federal item identification guides for supply cataloging, supplements, 3292
historic, concerning general agriculture in collection of National Agricultural Library, 8515
housing and urban planning, 4905
Library of Congress—
author catalog, 1393, 3601
register of additional locations, 16838
subject catalog, 2529, 3505
National Library of Medicine, 16th century imprints, 15598
see also Children's literature—Textbooks.
Bookstores, *see* Stores.
- Booms:
DeHavilland stem, damping behavior, 11539
gravity gradient, thermal bending plus twist of thin-walled cylinder of open section, application, 15561
- Boone, R. Sidney, paintability of 2 Hawaii-grown woods, 4843
- Boone, W. H., nuclear power sources, 7756
- Booster reactors, *see* Reactors (atomic).
- Boosters (rocket), *see* Rockets.
- Boots and shoes:
footwear, new developments (talk), 4703
footwear, production by manufacturer's selling price, current industrial reports, 5861
general repair, technical manual, 13302
jet shoes, extravehicular space locomotion device, 8483
shoe industry, opportunities for increasing markets and employment, 2161
shoes and slippers, current industrial reports, 3169, 8947
- Borax, dispersion in plastic, excellent fire-retardant heat insulator, 8384
- Border Patrol, Immigration and Naturalization Service:
immigration patrol inspector, careers, examination announcement, 10435
origin and work, 15319
- Boreholes, deformation methods, deep mine stress determinations, 6676
- Boresighting (radio), *see* Antennas.
- Borg-Warner Corporation, adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Adjustment Assistance Board, 7205, 17257
- Borges Caignet, Alfredo, relief, 12344
- Boring insects, *see* names of insects.
- Boris Kidric Institute, spatial distribution of reactor radiation around horizontal channel of RA reactor at Vinca, Yugoslavian study, 6479
- Bormuth, W. D., production of manufactured dairy products, 14699
- Born, J. David, specific gravity of increment cores from interior Alaska trees, 4835
- Born approximation, comparison of Gryn'ski and Born cross sections for metastable 2s state of atomic hydrogen, 9874
- Boroco, western and northeast coasts and off-lying islands, sailing directions, change, 5330

- Boron, amorphous boron powder recovery and purification, and crystallization purification of boron from residues and scrap, 12017
- Boron carbide, aluminum-titanium hydride-boron carbide composite provides lightweight neutron shield material, 16878
- Boron hydrides, toxicology, 7357
- Borrowing, *see* Loans.
- Borum, Rodney L.:
addresses, etc.—
May 11, 1967, 10333
May 22, 1967, 10334
June 22, 1967, 10327
- Bosch, Myrlam, relief, 273
- Bosque del Apache National Wildlife Refuge: general information, 8027
geology and mineral resources, 17821
- Bosa, R. E., design review for space systems, 14405
- Bost, William E., combined subject and author indexes to radiobiology, bibliographies, 13343
- Bostock, D. J., tabular line-of-balance production control technique, 7433
- Boston, Mass.:
area wage survey, 5069
plant relocation and core city worker, 16711
- Boswell, Victor R.:
commercial growing of carrots, 11932
growing table beets, 4113
rhubarb production, outdoors and in, 10174
- Botanic Garden:
appropriations, 1968, legislative—
law, 13537
reports, 10617, 13813
- Botanical gardens, Ukrainian, research gains noted, 14235
- Bothnia, Gulf of, lights and fog signals, 11st, change, 1539, 7005 11645, 18101
- Botrytis rot of bell peppers, 34
- Botswana:
background notes, 5520
continued application of certain treaties concluded between United States and United Kingdom, agreement, 11839
- Bottles, plastic, current industrial reports, 3169
- Bouland, Heber D., locating, designing, and building country grain elevators, 1683
- Boulay, Emilie, relief, 257, 803
- Boulder, Colo., laboratories, general information, 16097
see also National Center for Atmospheric Research.
- Boulder County, Colo., geology of Eldorado Springs quadrangle, 11165
- Bouma, D. D., multivariable analysis of mechanics of penetration of high speed particles, 6708
- Boundaries:
international boundary studies, 1630-33, 2883, 8718, 11829, 17224-225
studies—
Burundi-Rwanda, 1632
Burundi-Tanzania, 1630
Cambodia-Thailand, 2883
Chad-Niger, 1633
Czechoslovakia-U.S.S.R., 17225
Finland-USSR, 8718
Hungary-U.S.S.R., 17224
Israel-Lebanon armistice line, 11829
Kenya-Tanzania, 1631
- Boundary layer:
attached and separated at Mach 13.8, on highly cooled, ablating and nonablating models, 12954
boundary-reflected-disturbance lengths, determination in Langley 16-ft. transonic tunnel, 16991
control, blowing over flaps, investigation over moving ground plane of transport model, 14477
- Boundary layer—Continued
edge loadings, effect on vibration of rectangular plates with various boundary conditions, errata, 12919
laminar separations using Crocco-Lees mixing parameter, analytic method, investigations, 9806
measurements in accelerated flows near Mach 1, 8497
nitrogen injection, effects on graphite surface in high-temperature dissociated airflow, 12964
plane-stress analysis of plate subjected to boundary loads, boundary displacements, etc., 16895
plasma boundary interactions, 15512
stagnation-point, with suction and injection in equilibrium dissociating air, 8499
test times and boundary layer induced property variations in shock tube, 5242
transition on cooled 7.5° total-angle cone at Mach 10, 15021
- turbulent—
characteristics of pointed slender bodies of revolution at supersonic speeds, 18026
heat-transfer measurements on flat plate with attached protuberances, 5232
investigation at Mach 6 with heat transfer at high Reynolds numbers, 8488
pressure distribution on oscillating panels in low supersonic flow, 6718
skin friction, effects of periodic blowing through flush transverse slots on, 1431
skin friction on 5 swept wings, wake momentum surveys, measurement, 2725
- Boundary value problems:
asymptotic behavior of solutions of boundary problems for quasilinear differential equations, 11573
nonlinear, modified quasilinearization, concept for solving, 12941
- Bourne, Charles T., training device developments, 18115
- Boutin, Henri P., relief, 796, 9222
- Bovine tuberculosis, *see* Tuberculosis in animals.
- Bowen, A. J., budget of littoral sands in vicinity of Point Arguello, Calif., 7924
- Bowen, Paul H., solid lubricants for helicopter transmissions, 8897
- Bower, David R., surface soil recovers quickly after burn, 8097
- Bower, Edward C., permit to serve as director of Virgin Islands National Bank prior to obtaining U.S. citizenship, 252, 782, 4497
- Bowers, Robert C., status of research on lubricants, friction and wear, 17082
- Bowes, John N., Santa Clara County Welfare Department, San Jose, Calif., intake and case recording, fact-finding report, 10973
- Bowie County, Tex.:
explosion in ordnance plant, settlement of claims—
law, 12158
reports, 637, 801
- Bowles, Gladys K., potential supply and replacement of rural males of labor force age, 1721
- Bowman, Earl K., bulk handling spring crop potatoes from harvester to packing line, methods and costs, 35
- Bowman, T. E., liquid settling and interface dynamics, 2608
- Bowman, Thomas E.:
new crustaceans, Sphaeronellopsis monothrix, etc., 15605
pelagic amphipod Cyphocaris challengerii in northeast Pacific, 6967
- Box Cars, roller-system to facilitate covering with tarpaulins for fumigation, 13202
- Box tree, growing boxwoods, 5632

- Boxcars, *see* Box cars.
- Boxelder bugs, general information, 17795
- Boxes, fiber, solid, Federal standard, 6312
- Boxwoods, *see* Box tree.
- Boy Scouts of America:
- amateur radio stations, permit operation by participants in 1967 world jamboree—
 - law, 13538
 - reports, 12368, 13665
 - annual report, 9065
 - world jamboree, 6-cent air mail postal card (poster), 13052
- Boyd, Alan S.:
- nomination, hearing, 9310
 - remarks, Nov. 29, 1966, 1950
- Boyd, Majorie E., quantum mechanical calculations of 2d virial coefficients for hydrogen, 8527
- Boyle, J. C., measurement of extremely feeble torques on massive bodies, 2696
- Boyle, James R., mineral industry of Tennessee, 6666
- Boynton, John H., manned 3-pass orbital mission, Mercury-Atlas 7, spacecraft 18, description, etc., 6865
- Brabb, Earl E., stratigraphy of Cambrian and Ordovician rocks of eastcentral Alaska, 6404
- Brabbs, Theodore A., recombination of carbon monoxide and atomic oxygen at high temperatures, 2718
- Brachiopoda:
- Middle Ordovician, from basin ranges, western U.S., 11174
 - silicified Middle Ordovician, from Kentucky, 16697
- Brackett, Jean C., city worker's family budget for moderate living standard, 17894
- Brackish water, *see* Water.
- Braddon, E. W., defense industry bulletin, 3193
- Bradley, Gene E., thousand partnerships, 4722
- Bradley, Johnny R., and others relief, 296, 565, 813
- Bradley, Nell B., disabling work-injury experience of oil industry and natural gas industry in U.S., 16851
- Brady, George A., dewatering anthracite slurry, 15478
- Braham, Randolph L., Israel, modern education system, 6187
- Braille system, *see* Blind.
- Brain:
- biochemistry, Soviet research, 14214
 - cerebral air embolism, basic studies, 12793
 - composition and function studied by Soviet scientists, 8271, 9610
 - diseases effects on recognition capacities studies by engineers for use in computer development, USSR study, 6488
 - human—
 - spectral characteristics of water-soluble protein fraction, USSR study, 12707
 - tumor cells, DNA content, cytospectrophotometric research, USSR study, 12757
 - neuron differentiation in different parts of rabbit brain, USSR cytochemical study, 14221
 - neuronal structure and synapses in brain stem and spinal cord, characteristics and significance in carnivores, USSR study, 12711
 - rats, nitrogen metabolism under impulse accelerations, USSR study, 1167
 - research, Veterans Administration, 8783
 - sciences, translations, 1950-60, bibliography, 17137
 - tumor cells, morphology, using anoptal microscope, USSR study, 12739
 - tumor, uranyl phthalocyanines show promise in treatment of, 12842
- Brain drain, *see* Immigration and emigration.
- Brainard, Robert W., catalog technique for measuring image quality, 7406
- Braithwaite, John G., passive infrared acquisition and tracking system analysis, 5177
- Brakes:
- braking mechanism is self actuating and bidirectional, 2629
 - emergency escape system uses self-braking mechanism on fixed cable, 5223
 - friction, cushions acceleration and vibration loads, 6771
 - hydraulic service systems for automotive vehicles, Federal standard, 6321
- Bram, Ralph A., classification of Culex subgenus Culex in New World, 6953
- Bramante, A. Donald, market factors in Spain, 13459
- Branchiobdellidae, *see* Annelids.
- Brandli, Henry W., natural environment of satellite in synchronous circular orbit, 15883
- Brannigan, R. A., electricity, transmission to vehicles, classification definitions, 18131
- Brant, bibliography, contribution toward, 16634
- Brantley, F. E.:
- iron ore, 5106, 6641
 - iron oxide pigments, 1399
- Brashears, A. D., cotton stripper for harvesting research plots, 3
- Brass:
- mills, scrap and metal consumption and stocks, mineral industry survey, monthly, 3062
 - scrap consumers, mineral industry survey, monthly, 3151
- Brassieres, current industrial reports, 14825
- Bratsk, Russian SFSR, hydroelectric projects, bibliography, 8665
- Braun, Harold, relief, 857
- Brayton cycle:
- high-performance radial-flow gas generator, design and fabrication, 8409
 - internally and externally finned radiators, in space, exploratory study, 8405
 - solar-Brayton system turboalternator, parasitic-load speed control, analog-computer study, 5258
 - turboalternator, static parasitic speed controller, 17004
 - two-spool solar-Brayton system turboalternator, valve-speed control, 5257
- Braze joint quality tested electromagnetically, 16964
- Brazil:
- agricultural commodities, agreement, 5547
 - atomic energy, cooperation for civil uses, agreement, 7167
 - background notes, 7139, 13132
 - Commission for Educational Exchange and financing of exchange programs, agreement, 11837
 - cotton, trends and prospects, 9525
 - defense equipment and materiel, disposition, agreement, 11854
 - foreign trade regulations, 17479
 - income tax convention—
 - hearing, 17651
 - text, etc., 9185
 - income tax legislation, 12133
 - labor law and practice, 11309
 - loan of vessels, agreements, 15788, 15798
 - mineral industry, minerals yearbook chapter, 16857
 - position in world agricultural trade, 17713
 - special study mission, report, 10568
- Brazing, *see* Solder and soldering.
- Bread:
- price study, report, 4521
 - prices, economic report, 4539
 - whole grain or enriched, good choice for thrifty family, food value, use, recipes, 9342

INDEX 1967

Breakfasts:

- eat a good breakfast to start a good day, 14745
- school breakfast program for children—closing nutrition gap, 15871
- law, 373
- report, 663

Breaking sound barriers, 5378

- Breakiron, Philip L., reducing transport damage in top-loaded shipments of fresh vegetables in bushel baskets, 5646

Breakwaters:

- Burns Waterway Harbor, Ind., stability, hydraulic model investigation, 7953
- engineering and design manual, 12475

Breathing, see Respiration.

- Breathing apparatus, self-contained for measuring carbon dioxide in inspired air, machine test method, 1413

- Breckenridge, F. C., colors of signal lights, selection, definition, measurement, production, and use, 8522

Bredahl, R. M., reserve marine, 3828

- Bredin-Archbold-Smithsonian biological survey of Dominica, 11612, 14540

- Breeze, R. K., design, fabrication, and feasibility testing of prototype airborne respiration analyzer, 8425

- Breidenbach, A. W., identification and measurement of chlorinated hydrocarbon pesticides in surface waters, 4800

- Bremer County, Iowa, soil survey report, 18213

Bremsstrahlung radiation:

- angular distribution of thick-target bremsstrahlung which includes multiple electron scatterings, 14466
- calculations, plane isotropic buildup factors, 15565
- electron scattering and bremsstrahlung cross-section measurements, 9811
- electron temperature determination from X-ray continuum radiation emitted from high temperature plasmas, 11681

- Brendel, M., coordinates, use in numerical theory of satellites, 11545

- Brendemuehl, R. H., loss of topsoil slows slash pine seedling growth in Florida sandhills, 14119

- Brennan, Robert, chemical quality of ground water, 4893

- Brenner, Edward J.: addresses, etc.—

- Aug. 6, 1966, 2789
- Dec. 30, 1966, 5372
- May 16, 1967, 10020
- May 31, 1967, 11685
- June 7, 1967, 11689
- Aug. 5, 1967, 14601

- Brenner, F. Cecil, lecture, Mar. 31, 1967, 9946

- Brenza, Arthur D., method of analyzing dynamic data characterized by time-varying frequency spectrum, 16996

- Brest Civil Engineering Institute, general information, 5029

- Brewe, David E., film-transfer studies of 7 ball-bearing retainer materials in 60°R (33°K) hydrogen gas at 0.8 million DN value, 2709

- Brewer, William D., effect of thermocouple wire size and configuration on internal temperature measurements in charring alibator, 6864

- Brewerville, Liberia, housing, potential savings through constructing rather than leasing, USIA, GAO report, 6379

- Brezhnev, Leonid I., speech, Apr. 24, 1967, 9317

- Bricker, Lee A., effect of $-7G_x$ acceleration on renal excretion of solutes in rabbits, 14776

- Brickman, William W., Denmark's educational system and problems, 9397

- Brickmason, see Masons.

- Bricks:

- concrete, industry, work injuries and accident causes, 16813
- wood-brick tile for paneling, 14133

- Bridge circuits, see Circuits.

- Bridge cranes, see Cranes, derricks, etc.

- Bridge engineers, opportunities in Public Roads Bureau, 1593

- Bridge to your success, opportunities for young engineers in Public Roads Bureau, 18192

- Bridgeport Museum of Art, Science, and Industry, see Museum of Art, Science, and Industry, Bridgeport, Conn.

- Bridges, Benjamin, Jr.: imputed income from owner-occupied housing, 7129
- net worth of aged, 17200

- Bridges, International bridge act of 1967, report, 9272
- see also Bailey bridges—also names of bridges, or bodies of water to be bridged.

- Bridwell, Lowell K.: nomination hearing, 6126
- remarks—

- Oct. 19, 1966, 238
- Nov. 3, 1966, 1953
- Nov. 18, 1966, 1952

- Brief cases, current industrial reports, 3169

- Briefs of accidents, U.S. civil aviation (periodical), 7518, 13014

- Briefs of accidents, U.S. general aviation, small fixed-wing aircraft, etc. (periodical), 3063

- Brigden, Wayne H., miniaturized double-focusing mass spectrometer, 2599

- Briggs, George E., team training, 18169

- Bright, William E., soil survey of Tippah County, Miss., 1612

- Brilhart, G. L., power plants, classification definitions, 18121

- Brill, Daniel H., role of financial intermediaries in U.S. capital markets, 6303

- Brimmer, Andrew F.: addresses, etc.—

- Nov. 18, 1966, 1065
- Nov. 19, 1966, 2265
- Feb. 16, 1967, 6300
- Mar. 21, 1967, 7999
- Apr. 14, 1967, 8000
- Apr. 21, 1967, 9493
- May 17, 1967, 11056
- June 8, 1967, 11050
- June 9, 1967, 11053
- Aug. 3, 1967, 14037
- Aug. 23, 1967, 15249
- Sept. 22, 1967, 16590

- Brines:

- desulfation processing of Great Salt Lake brines, studies, 6688
- disposal costs, Texas, procedures and methods for calculating, 12645
- oilfield, bromide and iodide content, in some Tertiary and Cretaceous formations in Mississippi and Alabama, 11385
- waste from desalination plants, utilization, feasibility study, 14196-197

- Brinkerhoff, Joris M., analysis of selected samples by microwave spectroscopy for trace contaminants collected from space simulator, 5711

- Brinkman, Kenneth A., stand volume equations for shortleaf pine in Missouri, 14094

- Brinkman, Robert E., selected bibliography of unemployment insurance program, 1951-66 research studies, 6200

- Briquets, anthracite, pressure drop across fixed beds, comparison with blast furnace materials, 11375

- Briscoe, C. B.: effects of pruning teak, 12576
- weather in Luquillo Mountains of Puerto Rico, 14130

- Bricks:

- concrete, industry, work injuries and accident causes, 16813
- wood-brick tile for paneling, 14133

- Bridge circuits, see Circuits.

- Bridge cranes, see Cranes, derricks, etc.

- Bridge engineers, opportunities in Public Roads Bureau, 1593

- Bridge to your success, opportunities for young engineers in Public Roads Bureau, 18192

- Bridgeport Museum of Art, Science, and Industry, see Museum of Art, Science, and Industry, Bridgeport, Conn.

- Bridges, Benjamin, Jr.: imputed income from owner-occupied housing, 7129
- net worth of aged, 17200

- Bridges, International bridge act of 1967, report, 9272
- see also Bailey bridges—also names of bridges, or bodies of water to be bridged.

- Bridwell, Lowell K.: nomination hearing, 6126
- remarks—

- Oct. 19, 1966, 238
- Nov. 3, 1966, 1953
- Nov. 18, 1966, 1952

- Brief cases, current industrial reports, 3169

- Briefs of accidents, U.S. civil aviation (periodical), 7518, 13014

- Briefs of accidents, U.S. general aviation, small fixed-wing aircraft, etc. (periodical), 3063

- Brigden, Wayne H., miniaturized double-focusing mass spectrometer, 2599

- Briggs, George E., team training, 18169

- Bright, William E., soil survey of Tippah County, Miss., 1612

- Brilhart, G. L., power plants, classification definitions, 18121

- Brill, Daniel H., role of financial intermediaries in U.S. capital markets, 6303

- Brimmer, Andrew F.: addresses, etc.—

- Nov. 18, 1966, 1065
- Nov. 19, 1966, 2265
- Feb. 16, 1967, 6300
- Mar. 21, 1967, 7999
- Apr. 14, 1967, 8000
- Apr. 21, 1967, 9493
- May 17, 1967, 11056
- June 8, 1967, 11050
- June 9, 1967, 11053
- Aug. 3, 1967, 14037
- Aug. 23, 1967, 15249
- Sept. 22, 1967, 16590

- Brines:

- desulfation processing of Great Salt Lake brines, studies, 6688
- disposal costs, Texas, procedures and methods for calculating, 12645
- oilfield, bromide and iodide content, in some Tertiary and Cretaceous formations in Mississippi and Alabama, 11385
- waste from desalination plants, utilization, feasibility study, 14196-197

- Brinkerhoff, Joris M., analysis of selected samples by microwave spectroscopy for trace contaminants collected from space simulator, 5711

- Brinkman, Kenneth A., stand volume equations for shortleaf pine in Missouri, 14094

- Brinkman, Robert E., selected bibliography of unemployment insurance program, 1951-66 research studies, 6200

- Briquets, anthracite, pressure drop across fixed beds, comparison with blast furnace materials, 11375

- Briscoe, C. B.: effects of pruning teak, 12576
- weather in Luquillo Mountains of Puerto Rico, 14130

- Bricks:

- concrete, industry, work injuries and accident causes, 16813
- wood-brick tile for paneling, 14133

- Bridge circuits, see Circuits.

- Bridge cranes, see Cranes, derricks, etc.

- Bridge engineers, opportunities in Public Roads Bureau, 1593

- Bridge to your success, opportunities for young engineers in Public Roads Bureau, 18192

- Bridgeport Museum of Art, Science, and Industry, see Museum of Art, Science, and Industry, Bridgeport, Conn.

- Bridges, Benjamin, Jr.: imputed income from owner-occupied housing, 7129
- net worth of aged, 17200

- Bridges, International bridge act of 1967, report, 9272
- see also Bailey bridges—also names of bridges, or bodies of water to be bridged.

- Bridwell, Lowell K.: nomination hearing, 6126
- remarks—

- Oct. 19, 1966, 238
- Nov. 3, 1966, 1953
- Nov. 18, 1966, 1952

- Brief cases, current industrial reports, 3169

- Briefs of accidents, U.S. civil aviation (periodical), 7518, 13014

- Briefs of accidents, U.S. general aviation, small fixed-wing aircraft, etc. (periodical), 3063

- Brigden, Wayne H., miniaturized double-focusing mass spectrometer, 2599

- Briggs, George E., team training, 18169

- Bright, William E., soil survey of Tippah County, Miss., 1612

- Brilhart, G. L., power plants, classification definitions, 18121

- Brill, Daniel H., role of financial intermediaries in U.S. capital markets, 6303

- Brimmer, Andrew F.: addresses, etc.—

- Nov. 18, 1966, 1065
- Nov. 19, 1966, 2265
- Feb. 16, 1967, 6300
- Mar. 21, 1967, 7999
- Apr. 14, 1967, 8000
- Apr. 21, 1967, 9493
- May 17, 1967, 11056
- June 8, 1967, 11050
- June 9, 1967, 11053
- Aug. 3, 1967, 14037
- Aug. 23, 1967, 15249
- Sept. 22, 1967, 16590

- Brines:

- desulfation processing of Great Salt Lake brines, studies, 6688
- disposal costs, Texas, procedures and methods for calculating, 12645
- oilfield, bromide and iodide content, in some Tertiary and Cretaceous formations in Mississippi and Alabama, 11385
- waste from desalination plants, utilization, feasibility study, 14196-197

- Brinkerhoff, Joris M., analysis of selected samples by microwave spectroscopy for trace contaminants collected from space simulator, 5711

- Brinkman, Kenneth A., stand volume equations for shortleaf pine in Missouri, 14094

- Brinkman, Robert E., selected bibliography of unemployment insurance program, 1951-66 research studies, 6200

- Briquets, anthracite, pressure drop across fixed beds, comparison with blast furnace materials, 11375

- Briscoe, C. B.: effects of pruning teak, 12576
- weather in Luquillo Mountains of Puerto Rico, 14130

- Bricks:

- concrete, industry, work injuries and accident causes, 16813
- wood-brick tile for paneling, 14133

- Bridge circuits, see Circuits.

- Bridge cranes, see Cranes, derricks, etc.

- Bridge engineers, opportunities in Public Roads Bureau, 1593

- Bridge to your success, opportunities for young engineers in Public Roads Bureau, 18192

- Bridgeport Museum of Art, Science, and Industry, see Museum of Art, Science, and Industry, Bridgeport, Conn.

- Bridges, Benjamin, Jr.: imputed income from owner-occupied housing, 7129
- net worth of aged, 17200

- Bridges, International bridge act of 1967, report, 9272
- see also Bailey bridges—also names of bridges, or bodies of water to be bridged.

- Bridwell, Lowell K.: nomination hearing, 6126
- remarks—

- Oct. 19, 1966, 238
- Nov. 3, 1966, 1953
- Nov. 18, 1966, 1952

- Brief cases, current industrial reports, 3169

- Briefs of accidents, U.S. civil aviation (periodical), 7518, 13014

- Briefs of accidents, U.S. general aviation, small fixed-wing aircraft, etc. (periodical), 3063

- Brigden, Wayne H., miniaturized double-focusing mass spectrometer, 2599

- Briggs, George E., team training, 18169

- Bright, William E., soil survey of Tippah County, Miss., 1612

- Brilhart, G. L., power plants, classification definitions, 18121

- Brill, Daniel H., role of financial intermediaries in U.S. capital markets, 6303

- Brimmer, Andrew F.: addresses, etc.—

- Nov. 18, 1966, 1065
- Nov. 19, 1966, 2265
- Feb. 16, 1967, 6300
- Mar. 21, 1967, 7999
- Apr. 14, 1967, 8000
- Apr. 21, 1967, 9493
- May 17, 1967, 11056
- June 8, 1967, 11050
- June 9, 1967, 11053
- Aug. 3, 1967, 14037
- Aug. 23, 1967, 15249
- Sept. 22, 1967, 16590

- Brines:

- desulfation processing of Great Salt Lake brines, studies, 6688
- disposal costs, Texas, procedures and methods for calculating, 12645
- oilfield, bromide and iodide content, in some Tertiary and Cretaceous formations in Mississippi and Alabama, 11385
- waste from desalination plants, utilization, feasibility study, 14196-197

- Brinkerhoff, Joris M., analysis of selected samples by microwave spectroscopy for trace contaminants collected from space simulator, 5711

- Brinkman, Kenneth A., stand volume equations for shortleaf pine in Missouri, 14094

- Brinkman, Robert E., selected bibliography of unemployment insurance program, 1951-66 research studies, 6200

- Briquets, anthracite, pressure drop across fixed beds, comparison with blast furnace materials, 11375

- Briscoe, C. B.: effects of pruning teak, 12576
- weather in Luquillo Mountains of Puerto Rico, 14130

- Bricks:

- concrete, industry, work injuries and accident causes, 16813
- wood-brick tile for paneling, 14133

- Bristol, R. I.:
harbor, engineer report—
departmental edition, 17730
document edition, 17570
- British County, Mass., Taunton quadrangle,
geology, 9560
- British Columbia:
ferries, use for Alaska-bound cargo, hear-
ing, 13851
sailing directions, change, 13018
- British Commonwealth, *see* Great Britain.
- British Guiana, *see* Guyana.
- British Honduras, mineral industry, min-
erals yearbook chapter, 14331
- British Isles, *see* Great Britain.
- British Solomon Islands, *see* Solomon
Islands.
- Britt, Clarence S., soil and water conserva-
tion research in northeastern States, 38
- Broadcasting, *see* Radio broadcasting—
Radio stations—Television.
- Brondfoot, W. M., 5 years of nitrogen fer-
tilization in sweetgum-oak stand, 2321
- Browder, D. L., problems in reactor shielding
physics, 12972
- Brown, Catherine M., establishing business
in France, 4431
- Brodsky, Gerald L., cancer chemotherapy
abstracts, 3075
- Brogan, Francis A., electronic stethoscope
for aircraft use, 11966
- Brown, Leland D., development of bench-
mark scales for Air Force officer position
evaluation, 5705
- Brokers, mailing list, require registration
with Postmaster General, hearing, 10667
- Brombacher, W. G.:
bibliography and index on vacuum and
low pressure measurement, 12984
ionization vacuum gauges and their per-
formance characteristics, 5290
- Bromfield, Calvin S., geology of Mount
Wilson quadrangle, western San Juan
Mountains, Colo., 15304
- Bromides, content in oilfield brines in some
Tertiary and Cretaceous formations in
Mississippi and Alabama, 11385
see also Methyl bromides.
- Bronchitis:
chronic—
cigarette smoking effects, 5424
rehabilitation manual, 14619
- Brooding chicks with infrared lamps, 15857
- Brook trout, *see* Trout.
- Brooklyn Center, Minn.:
relief—
law, 14912
report, 10609
- Brooks, David R., computerized data-reduc-
tion technique for Langmuir probe of
electron temperature variations in exhaust
of magnetoplasmadynamic arc, 78047
- Brooks, Edward M., meteorology of Mars
and Venus, 11410
- Brooks, Frank P., gastroenterology abstracts
and citation, 3372
- Brooks, Mary T., relief, 9250, 13500, 13562
- Brosig, William P., geology of Umiat-Maybe
Creek region, Alaska, 8159
- Brother Amble, *see* Beaud, Louis.
- Brotherhood of Railroad Tralamen, emer-
gency board report, 13966
- Brotherhood Week, *see* National Brotherhood
Week.
- Broussard, Florence, chronology of events
related to Federal legislation for oceanog-
raphy, 4550
- Brower, R., scientific photography, 4235
- Brown, Ann M., participation of hospitals
in pilot study of hospital discharge sur-
vey, 2842
- Brown, Albert E., minimum fuel ascent from
lunar surface, 16994
- Brown, Bertha W., apparent consumption of
industrial explosives and blasting agents
in United States, 15463
- Brown, Emma E., abstracts of U.S. APRO
research publications, 7405
- Brown, Gerald A., nomination, hearing, 4651
- Brown, J., Army CRRRL topographic map,
Barrow, Alaska, 4199
- Brown, James K., forest floor fuels in red
and jack pine stands, 2303
- Brown, Lester R., jr., mineral industry of
Chile, 12799
- Brown, Lionel A., Pony Creek archeology,
15734
- Brown, Myrtle L., nursing care of the aged,
annotated bibliography, 10056
- Brown, R. A., sodium arsenate possible erad-
icant of fusiform rust infections, 12581
- Brown, R. R., space radiation equivalence for
effects on transistors, 14380
- Brown, Richmond F., hydrology of cavernous
limestones of Mammoth Cave area, Ky.,
1132
- Brown, Robert D., jr., Parkfield-Chrolame,
Calif. earthquakes, 9574
- Brown, Sidney E., demand for flowers-by-
wire, 10179
- Brown, Stephen C.:
mineral industry of—
Belgium, 15467
Greece, 15468
Luxembourg, 6656
Netherlands, 11362
Switzerland, 8367
minerals in world economy, 15471
- Brown, Stuart C., analysis of bypass air
control system for supersonic mixed-com-
pression inlet, 12946
- Brown, Tillis H., jr., population crisis, hear-
ings, index, 16416
- Brown County, Tex., Fusulinidae from
Graford formation and Winchell limestone,
Canyon group, Upper Pennsylvanian,
12615
- Brown spot, variation in infection of longleaf
pine from several geographic sources,
14118
- Brown Swiss cattle, *see* Cattle.
- Browonian movements, application to statis-
tical mechanics and to quantum communi-
cation theory, 8597
- Browning, J. Louis, strengthening community
services in low-income neighborhoods, field
guide to concerted services, 17840
- Browns Park National Wildlife Refuge, gen-
eral information, 15265
- Brownsville, Tex.:
candidate insecticides and acaricides eval-
uated, 13196
land purchase by Agriculture Dept.—
hearings, 16303
law, 16143
reports, 13668, 16370
- Browse, *see* Forage plants.
- Bruce, M. Melvin, analysis of first-order
polynomial predictor for data compression,
8491
- Bruce, Robert A., North Atlantic trawl nets,
15256
- Brucellosis:
bovine, eradication in cooperation with
States, summary, 3915
eradication—
activities in cooperation with States,
summary, 3919
cooperative State-Federal program—
progress report, 15830
statistical tables, 11
national committee, 1967 proceedings,
15830
- Brumberg, Abraham, problems of commu-
nism, 3771

INDEX 1967

- Brungs, William A., Jr., distribution of cobalt 60, zinc 65, strontium 85, and cesium 137 in freshwater ponds, 15681
- Brush:
- brushfield reclamation, reforestation with ponderosa pine, 4844
 - conversion, soil slippage increased, 11120
 - herbicides fail to insure success of brush-field prescribed burn, 6366
- Brushes:
- electrical contact, Federal item identification guide for supply cataloging, 6148
 - Federal item identification guides for supply cataloging, supplements, 3290
 - grading and sizing apples, 7246
- Bryant, Paul J., low pressure application of orbitron, 16909
- Bryers, Richard W., two-phase metastable flow, 6449
- Bryozoa, *see* Vitetrella.
- Brzezinski, Zbigniew, remarks, May 22, 1967, 14676
- BSRL, *see* Behavioral Science Research Laboratory.
- Bubbles:
- air, properties at air/sea interface, influence of surface-active material, 17088
 - boiling in water, activation, growth, and detachment from artificial nucleation sites of known geometry and size, 14491
 - mechanics in zero-gravity environment, 5164
- Bucerotidae, *see* Hornbills.
- Buchanan, H. J., orbital investigation of propellant dynamics in large rocket booster, 11517
- Buchanan, Henry, temperature-sensing telemetry system for rhesus monkeys, 17360
- Bucharest, Rumania, Hygiene Institute, 40 years in service of public health, 12723
- Buck, Alan D., investigation of concrete in Eisenhower and Snell locks, St. Lawrence Seaway, 13987
- Buck, Gerald E., study guide for physics 2, high school course, 17687
- Buck Island Reef National Monument, general information, 15609
- Buckley, Donald H.:
- effect of recrystallization on friction properties of metals in single-crystal and polycrystalline form, 15574
 - friction characteristics of single-crystal and polycrystalline rhenium in vacuum, 9912
 - possible relation of friction of copper-aluminum alloys with decreasing stacking-fault energy, 8490
 - recrystallization and preferred orientation in single-crystal and polycrystalline copper in friction studies, 8481
 - sliding friction of members of platinum metals group, 15378
- Buckley, John D., oxidation of JT graphite composites, 18053
- Buckley, John E., wages and related benefits, metropolitan areas, etc., 14284
- Buckley, Michael P., relief, 7614
- Buckling, *see* Strains and stresses.
- Buckner, Robert C., fescue foot in cattle, what to do about it, 14750
- Buckner, Russel L., soil survey of Bremer County, Iowa, 18213
- Budapest, Hungary, international fair, displays, 12687
- Buddhism, Soviet view, 2429
- Budget Bureau:
- Federal research and development program, decision-making process, comments by, report, 15001
 - statistical reporter (periodical), 3900
- Budget Concepts, President's Commission on, *see* President's Commission of Budget Concepts.
- Budget examiners, culling all majors for budget careers in Federal agencies, 10431
- Budget Joint Committee, create, report, 10754
- Budget of United States:
- better information for decision-making in Federal budget (remarks), 1060
- 1968—
- August review, hearing, 17562
 - budget in brief, 5805
 - departmental edition, 4256
 - appendix, 4257
 - District of Columbia—
 - departmental edition, 4258
 - document edition, 4482
 - document edition, 4481
 - appendix, 4483 - hearings, 7733, 9301
 - special analyses, 4259
 - planning-programming-budgeting system—
 - hearings, 15158
 - initial memorandum, 16415
 - official documents, 13866
 - print additional copies, report, 15140
 - selected comment, 13867
 - print additional copies, report, 15135
- Budgets, *see* Budget of United States—Budgets (family and personal)—also names of departments, etc.—also other headings beginning Budget.
- Budgets (family and personal):
- city worker's family budget for moderate living standard, 17894
 - guide for young couple, 17318
 - income and budget costs by family type, revised equivalence scale for estimating, 17900
- Budworms:
- moths, ultrasonic speaker for studies of acoustic sensitivity, 4083
 - spruce, 1944-56 outbreak in eastern Oregon, differential effects, 1097
- Bue, Conrad D., flood information for flood-plain planning, 9567
- Buffalo, N.Y.:
- Ansel Wilcox House acquisition, etc. law, 422
 - area wage survey, 11311
- Buffers:
- field effect transistors improve buffer amplifier, 17961
 - SPAD formatter, buffer interface between satellite prediction computer and display, 8593
- Bugbee, Robert E., revision of chalcid wasps of genus *Eurytoma* in America north of Mexico, 8536
- Bugs, Frank M., low-speed tests of all-flexible parawing for landing lifting-body spacecraft, 11550
- Bugs, *see* names of bugs.
- Building:
- building a better America, 16709
 - concrete masonry for cabins, building plan, 5664
 - construction—
 - activities of United States, 1965-66, in Viet Nam, GAO report, 11159
 - bids, quality estimates prepared for solicitation, GAO review, 14152
 - construction and architect-engineering contracting services for AEC work, guide, 13250
 - contracts, Defense Dept. awards, need for compliance with truth-in-negotiations act of 1962, GAO report, 12588
 - educational facilities, guide to Federal financial assistance programs, 10931
 - efficiency and economic reform, USSR, 4977
 - expenditures of State and local governments, 5891-93, 10384, 16033
 - facilities for health research, etc., Public Health Service grants and awards, 11755

Building—Continued

- construction—continued
 - know the soil you build on, 11927
 - projects, inspection controls over concrete placements, Public Buildings Service, GAO review, 11153
 - radiation-safe structures investigated, USSR study, 6523
- construction reports—
 - quarterly public, 5891-93, 10384, 16033
 - residential alterations and repairs, 5850
- construction safety, site clearing, 17887
- fire resistant construction of home, farm buildings, 15849
- hardware, Army technical manual, change, 107, 10271
- home and farm, selection and use of wood products, 7264
- home construction, publications, price list, 7057
- items on construction, USSR articles, 6481
- large scale maps for construction planning, requirements, Hungary, 4981
- library services and construction act, extend and amend—
 - law, 1135
 - report, 16298
- materials, Federal item identification guides for supply cataloging, supplements, 3288
- outlook for homebuilding and 1967 economy (remarks), 7570
- PACAF basic bibliography, 13266
- permits, 3135-36, 8937, 14818
- housing authorized, 3135, 8937, 14818
- summary statistics, 3136
- problems of science of production engineering, USSR study, 2432
- publications available from Division of International Affairs, HUD, 8205
- science facilities, planning, design, and construction, literature, list, 14561
- USSR industrial development, translations, 4017
- see also Construction industry.
- building communities with new jobs, 2159
- Building export markets for U.S. farm products, 6361
- Building for clean water, 8010
- Building machinery:
 - construction machinery, current industrial reports, 3170, 5857, 17436
 - Federal item identification guides for supply cataloging, supplements, 3285
 - USSR industrial development, translations, 4017
- Building management officers in Veterans Administration hospitals, nationwide, 18249
- Building science series, 15584, 18075
- Building trades, union wages and hours, 14301
- Buildings:
 - concrete structural design, Army technical manual, 7391
 - construction of radiation-safe structures investigated, USSR study, 6523
 - foundation design, procedures, emergency construction, Army technical manual, 10276
- Historic American Buildings Survey selections, 11616
- historic American, Georgetown commercial architecture, Wisconsin Ave., northwest Washington, D.C., 11616
- historic sites and buildings, national survey, prospector, cowhand, and sodbuster, historic places associated with mining, etc., in trans-Mississippi West, 13008
- load assumptions, Army technical manual, 108
- prefabricated structures, Federal item identification guides for supply cataloging, supplements, 3288

Buildings—Continued

- static structures, classification definitions, 13044
- wood structural design, Army technical manual, 10273
- Buildings, see also Apartment buildings—
 - Public buildings—also names of buildings.
- Bullet, Ernest, relief, 264, 547
- Buls, Gabe R., application of Lyapunov stability theory to some nonlinear problems in hydrodynamics, 16915
- Bulgaria:
 - Academy of Agricultural Sciences, new members and corresponding members, 1205
 - Academy of Sciences—
 - history and achievements, 6557
 - Vice President Vladimir Georgiyev interviewed, 4991, 6480
 - analytical chemistry, current status and prospects for development, 1231
 - claims of American nationals, timely determination, hearing, 12300
 - claims of inhabitants, payment, hearing, 732
 - clinical observations of individuals contaminated by pinacolic ester of methylfluorophosphine acid, 1230
 - Communist Party, and development of natural sciences, 9th congress, 2465
 - hydrometeorological service tasks discussed at 9th Congress of Bulgarian Communist Party, 11253
 - industrialization over 2 decades reviewed, 15424
 - mineral industry, minerals yearbook chapter, 6645
 - new pay scales for scientific and technical workers, 1303
 - officials, 1966 directory, 4934
 - organizational fundamentals, principles and standards of party life, 6566
 - pharmaceutical development, 15391
 - physics, status and perspectives, 16758
 - regulations for setting up socialist brigades for technical progress, 12668
 - scientific and technical progress, 1967 program, 6494
 - scientific organizations, decrees on operating under their own accounting systems, 5030, 6586
 - scientific research, problems of coordinating, 2435
 - scientists' role in radiation biochemistry, crystal chemistry and cybernetics, 1159
 - study mission report, 7809
 - veterinary medicine, problems, 1208
- Bulgarian State Economic Association for Computer and Organization Technology, general information, 9620
- Bulgrin, E. H., veneer yields from Lake States, quaking aspen, 1095
- Bulgar, see Wheat.
- Bulkheads, composite fabrication development, 6752
- Bulletins, see Farmers' bulletins—also names of departments, etc., issuing bulletins—also subjects.
- Bullis, Harvey R., Jr., exploratory fishing and gear research, 2275
- Bullock, J. Bruce, price spreads for pork, 4126
- Bulls, DHIA sire summary list, Ayrshire, Guernsey, etc., 7245
- Bumpers, ballistic limit of double-walled meteoroid bumper systems, 9893
- Bunchgrass, penderosa pine-hunchgrass range in Colorado, cattle grazing effects, 14764
- Bundy, William P., address, Aug. 15, 1967, 17220
- Bunker oil, see Fuel oil.
- Bunyan, Jack L., comparison of financial operating data of affiliated food wholesalers, 4123

INDEX 1967

- Buoyancy, combined with shear, effects on weak homogeneous turbulence, 11542
- Bur, Thomas R., explosives in rock, 5124
- Bur oak, *see* Oak.
- Burbank, Jeanne:
plate materials of lead-acid cell, anodic oxidation of $PbSO_4$, etc., 11672
refractometric sensing of H_2SO_4 specific gravity in lead-acid cell operation, 18112
- Burch, Franklin W., cartographic records of American Expeditionary Forces, 1917-21, preliminary inventory, 14508
- Burdick, Lawrence T., performance, story of the handicapped, 3680
- Burgess, Ernest M., immediate postsurgical prosthetics in management of lower extremity amputees, 13171
- Bur-Ghelula, Sumalia meteorite, composition, 18089
- Burgin, Vera E., decisions of Department of Interior, 17845
- Burk, Sanger M., jr., static aerodynamic characteristics of 3 ram-air-inflated low-aspect-ratio fabric wings, 17007
- Burke, J. E., simulator evaluations of advanced integrated display and control systems, 14374
- Burkham, D. E., hydrology of Cornfield Wash area and effect of land-treatment practices, Sandoval County, N. Mex., 6412
- Burkig, Valerie C., thermal absorption in seeded gases, 12866
- Burleson, W. E., mineral industry of New Mexico, 6661
- Burley tobacco, *see* Tobacco.
- Burlington, Vt., area wage survey, 11323
- Burma:
background notes, 14664
capsule facts for Armed Forces, 15923
mineral industry, minerals yearbook chapter, 2550
- Burmeister, Louis C., NASA contributions to advanced valve technology, 15518
- Burmester, B. R., avian leukosis complex, 50
- Burner fuel oil, *see* Fuel oil.
- Burners, *see* Incinerators.
- Burning of land:
effects of slash burning on conifer regeneration in southeast Alaska, 4834
forested loess soils after repeated prescribed burns, properties, 8091
herbicides fail to insure success of brush-field prescribed burn, 6366
prescribed burning improves Piedmont loblolly pine seedbeds, 12582
slash-burn agriculture among mountain tribes of central Vietnam, 14246
surface soil recovers quickly after burn, 8097
- Burns, Aone, turbulence in clear air near thunderstorms, 6222
- Burns, B., exploratory development of radiotracer propellant gauge, 12016
- Burns, Rowland E., explicit solution for Lagrange multipliers on singular subarc of optimal trajectory, 16982
- Burns and scalds:
active infusion therapy for patients with deep extensive burns, USSR study, 14275
retinal burns from low-yield nuclear detonations, threshold distances, 69
- Burns Waterway Harbor, proposed breakwater, stability, hydraulic model investigation, 7933
- Burnt River and Valley, Oregon, groundwater reconnaissance in area, 14182
- Burrell, M. O., plane isotropic buildup factors for bremsstrahlung calculations, 15565
- Bursik, Joseph W., pseudo-sonic velocity and pseudo-Mach number concepts in 2-phase flows, 2712
- Burt, Eddie C., efficiency of flail-type machine in destroying cotton squares, 7242
- Burt, Stanley W., grading and sizing apples with brushes, 7246
- Burton, R. L., mass rearing fall armyworm, 8805
- Burton, Robert V., fluid state hydraulic damper, 10286
- Burton, S. F., small nuclear power plants, 5769
- Burti, Everett J., jr., plant relocation and core city worker, 16711
- Burundi:
background notes, 11815
capsule facts for Armed Forces, 15908
labor conditions, 6618
Kwanda boundary, study, 1632
Tanzania boundary, study, 1630
- Busby, Douglas E.:
biomagnetics, considerations relevant to manned space flight, 16911
clinical space medicine, 14399
- Busemann, A., geometric theory of optimum disorbit problems, 8427
- Buses, *see* Motorbuses—School buses.
- Bush, Joseph C.:
industry wage survey—communications, 6604
laundry and cleaning services, 14298
synthetic fibers, 8317
textile dyeing and finishing, 2501
- Business:
activist approach to Government-business relations (address), 10327
administrative management course program, topics, 1598, 7169
aids, overseas investment, 1152
American business is hiring Job Corps graduates, 2162
balance of payments and business outlook in United States (remarks), 5949
- EDSA, how it works with business for business, 143
- business-Government relations (addresses), 1937, 7569, 9010, 16092
- business-Government, their interdependence (remarks), 16093
- Business Opportunity-Federal Procurement Conference, guidelines for program, 8923
- census, 1963—
major retail centers, area statistics, bound volume, 1832
retail trade area statistics, 10339-340
bound volume, 151
retail, wholesale, services, bound volumes, announcement and order form, 7453
retail, wholesale, services, bound volumes, announcement and order form, 7453
selected services subject reports, bound volume, 8932
special reports, 4270, 5816-17
wholesale trade subject reports, bound volume, 7459
- census publications, price list, 7056
- Commerce Department primary Government agency responsible for dealing with problems (address), 142
- commercial firms, technology acquisition channels and NASA dissemination program, 14375
- conditions, national summary, 3600
- county business patterns—
bound volumes—
Alabama-Illinois, 17425
Indiana-Missouri, 17426
Montana-Oregon, 17427
Pennsylvania-Wyoming, 17428
U.S. summary, 17424
- CBP series, 168-175, 1859-71, 4306-21, 5851, 7475, 10844-351, 12042-65, 13365-385, 14819-824, 15987, 17424-482
announcement and order form, 5852
U.S. summary, 7475, 15987
- creative partnership with Government for balanced economy (address), 9012
- credit and assistance, code of Federal regulations, 11034

Business—Continued

cycle developments, report, 3067
 delivers goods to marketplaces of world
 in final analysis (remarks), 240
 doing business with—
 Eastern European countries (address),
 2416
 Federal Government, guide, 1104
 enterprise statistics, 1963, preliminary re-
 ports, 3241
 establishing in—
 Belgium, 4435
 Chile, 1943
 East Africa, 4444
 Ethiopia, 13465
 Federal Republic of Germany and West
 Berlin, 10458
 France, 4431
 Greece, 9018
 Iran, 13467
 Italy, 17475
 Japan, 232
 Netherlands, 12138
 Pern, 231
 Taiwan, 10462
 Thailand, 13464
 United Kingdom, 17476
 foreign firms, sources of credit informa-
 tion, 15340
 foreign practices, 9602
 Government-business relations component
 in your marketing mix (address), 10329
 income tax returns, statistics, 6461
 indexes, monthly, 3068
 Indian development, program, 2388
 international, publications, checklist, 6167,
 15339
 living with Government creatively (ad-
 dress), 10454
 loans, revision in quarterly survey of in-
 terest rates, 11059
 Navy prime contractors, selling to, direc-
 tory, 17100
 outlook and national economic policy
 (remarks), 13453
 overseas business reports, 229-233, 1941-
 47, 3666, 4431-46, 5951-56, 7573-80,
 9013-20, 10458-463, 12132-138, 13455-
 466, 14880-882, 16100-108, 17474-482
 private enterprise and the city (address),
 9580
 private enterprise and United Nations
 development program, how to bid on
 special fund projects, 4262
 public regulation, Treasury view (re-
 marks), 11884
 publications, price list, 5418
 SBA's local development company loans,
 economic growth at community level,
 1599
 service checklist, guide to Commerce Dept.
 publications, weekly, 3069
 small business—
 AID circular, 3904
 Association and Industry Management
 Service for Small Business, general
 information, 15729
 bibliographies, 1600, 2856, 5493-95,
 7112-13, 10077, 15731-732, 17194
 corn marketing by Commodity Credit
 Corporation, impact, report, 668
 crime protection insurance, contribu-
 tions of science and technology, 16437
 displaced, economic injury disaster
 loans, management and technical aid,
 14643
 distribution problems, hearings, 7817
 print additional copies, reports, 916,
 2030
 drug industry, problems, hearings, 12317
 dry cleaning, starting and managing,
 5497
 financial assistance programs of SBA,
 review, 16439

Business—Continued

small business—continued
 Government activities affecting, report
 of Attorney General on problems of
 displacement under programs of pub-
 lic improvement, 4631
 how to obtain Government contracts and
 subcontracts, 7110
 impact of crime—
 hearings, 12428
 report, 16365
 impact of tax exempt foundations,
 hearings, print additional copies, re-
 ports, 13653, 13820
 investment act amendments of 1966—
 law, 483
 report, 4588
 investment act amendments of 1967—
 hearings, 10820, 15020
 law, 17549
 reports, 12391, 14961, 14982, 16261
 investment act, text and related tax
 matters, 9330
 investment companies, investigation,
 hearings, 10845
 investment company program—
 examination function of SBA, GAO
 review, 16675
 review, hearings, 2062
 investment program of SBA, report, 4509
 management series, 2857, 13118
 pooling defense production, research
 and development, 5496
 problems in urban areas, report, 4512
 problems in smaller cities and towns,
 hearings, 10678
 problems, investigation, authorization,
 report, 4610
 problems of tool and die industry and
 associated problems of manufactur-
 ers and distributors of machine tools,
 hearings, 2061
 products list circular, new products de-
 velopment, 3775
 protection act of 1967—
 law, 17549
 reports, 14961, 14982, 16261
 regional export industries and institu-
 tions over next decade, potentials and
 problems of developing, hearings,
 17678
 regulatory and enforcement agencies,
 activities relating to, report, 4513
 retail, operating costs and ratios, bibli-
 ography, 5493
 role in air transportation industry,
 report, 4511
 select committee to conduct studies,
 etc.—
 creating, report, 4518
 expenses, report, 7679
 small business and labor surplus area
 specialists, Defense Dept., list, 7866
 starting and managing series, 5497,
 8679, 15733
 status and future, hearings, 16440,
 17679
 subcontracting and set-aside programs,
 report, 4510
 tax guide, 2413
 vending machines, starting and manag-
 ing, 8679
 special current business reports (series),
 3573
 statistics, Federal reserve chart book,
 3315
 historical supplement, 16591
 statistics, weekly, 3070
 survey of current business—
 monthly, 3925
 weekly supplement, 3070
 taxation, key factor in decisions, 1598
 textile program, unique approach in busi-
 ness, Government relations (address),
 10470
 ways farmers do business, 2229

INDEX 1967

Business—Continued
 your business partner, transportation (remarks), 9751
 Business and Defense Services Administration:
 BDSA looks at domestic aluminum situation (address), 5806
 functions and programming philosophy (remarks), 10334
 how it works with business for business, 143
 mobilization programs, hearings, 13543
 official texts, 3054
 press releases, 3706
 publications, list, 1827
 Business consolidations:
 cement industry, vertical mergers, enforcement policy, 4799
 retail grocery store companies, 2172
 Business Economics Office, press releases, 3707
 Business men:
 American, what will Government be asking businessmen to do in respect to nation's balance of payments in 1967? (remarks), 237
 credit, moderation today means progress tomorrow (address), 144
 Defense Dept. small business and labor surplus area, specialists designated to assist, list, 7866
 guide to specifications and standards of Federal Government, 4885
 how to do business with Federal Government, guide, 1104
 interchange of young executives between Government and business (address), 17469
 Kennedy Round impact (address), 18219
 State Dept. guide to key officers of Foreign Service posts, 3462
 Busing kids to suburbs, 10928
 Buss, Keen, interspecific hybridization of esocids, etc., 12551
 Busse, Jon R.:
 Aerobee 150 propulsion failure, 6851
 NASA Aerobee sounding rocket launchings, 15554
 Bussey, Ellen M., colored minorities and present British policies, 9747
 Butanes, octafluorocyclo-, use as refrigerant in saline water conversion by freeze separation, 12644
 Butcher, Stanley J.:
 job hazard analysis, 14280
 preventive maintenance for safety, 8293
 promoting worker interest in safety, 8288
 safe working surfaces, 8294
 Butler, C. O., rail impact testing on long travel shock mounts, 14805
 Butler, Joseph, or helms, relief, 610
 Butrum, Ritva, relief, 15072
 Butt Mountain, Clinton hematitic sandstone deposits in area, 12819
 Butte County, Calif., fire hazard inspection procedures, evaluation, 14109
 Butter:
 futures, commitments of traders, 3112
 futures trading and open contracts, 3367, 3369
 Butterflies:
 genus *Calyceps* Scudder (Lycaenidae: Theclinae), preliminary revision, 5309
 new genus *Calystryma*, etc., 14537
 Buttermore, Paul M., petroleum refineries in United States and Puerto Rico, 15472
 Butylthiophenes, infrared vibrations (cf. benzene rings in condensed thiophenes), 8377
 Buyers, see Purchasing agents.
 Buying, see Purchasing.
 Buzbee, William A., relief, 278, 809
 BW, see Biological warfare.
 BWR (boiling water reactor), see Reactors (atomic).
 By the people, for the people, 5375
 Byers, Harry E., relief, 324, 819

Byurakan'skaya Astrophysical Observatory, general information, 1198
 C
 C.A.B., see Civil Aeronautics Board.
 C&MS, see Consumer and Marketing Service.
 C & S Express, Inc., motor carrier accident, 16873
 C.C.C., see Commodity Credit Corporation.
 C.E.R.C., see Coastal Engineering Research Center.
 C.F.S. series, 1074-75, 3024, 3073, 3335-36, 3338, 3363, 3378, 3386, 3530, 3533, 545-46, 3553, 3564, 3621, 3628, 3638, 3836, 3876, 3884, 3934, 4038, 8013-18, 8502-13, 11072-74, 12540-544, 14054, 16610-618, 17769-771
 C.R.R.E.L., see Cold Regions Research and Engineering Laboratory.
 CA series, 8693, 10157, 17301
 CAB, see Civil Aeronautics Board.
 Caballo, Felix C., relief, 12339, 16210
 Cabbage, caterpillar control in South, 15847
 Cabeza Prieta Game Range, mammals, list, 11089
 Cabinets, see Telephone cabinets.
 Cabins, concrete masonry construction, building plan, 5664
 Cables:
 cable TV, requests filed under FCC rules, 3269
 communication lines, USSR book excerpts, 15392
 Federal item identification guides for supply cataloging, supplements, 3287
 fixed, self-braking mechanism used by emergency escape system, 5223
 see also Connectors (electric)—Electric cables—Submarine cables.
 Cacao:
 clone collection of Agriculture Dept., description, 10145
 foreign agriculture circulars, 3345
 Cache Creek, drainage basin in coast ranges west of Sacramento, Calif., sediment transport, 11181
 Cachuma, Lake, elimination of stratification, progress report, 11183
 Cactus, plant bug genus *Hesperolabops* Kirkaldy, etc., revision, 14539
 Cactus Drilling Corp., oil and gas lease, reinstate, 530, 12324
 Caddis flies, see Flies.
 Cadets, see Air Force Academy, Colo.—Coast Guard—Coast Guard Academy, New London.
 Cadigan, Robert A., petrology of Morrison formation in Colorado plateau region, 12613
 Cadmium:
 abraded cadmium-plated cable connectors repaired by conversion coating, 6746
 mineral industry survey, quarterly, 3071
 use of steel and tantalum apparatus for molten Cd-Mg-Zn alloys, 8397
 Cadmium sulfide:
 film cell, mechanism, 6889
 spectrum, effect of optical radiations and water vapor on trapping, 14455
 Caffey, Eugene M., antipsychotic, anti-anxiety, and antidepressant drugs, 2962
 Caffisch, Frank, despatches from U.S. consuls in Matamoros, pamphlet, 18060
 Cages, cylindrical screen, for rearing bark beetles, 14114
 Cages (bearing):
 high-temperature materials, evaluation, 5274
 Cagle, Carolue H., changes in time and savings deposits, 11049, 14039, 16589
 Cahn, Patricia L., American education, 3028
 Calgnet, Alfredo Borges, see Borges Calgnet, Alfredo.
 Cain, Dorothy S., infrared spectra of elastomers, 15636

Cain, Stephen M.:
 low doses of acetazolamide to aid accommodation of men to altitude, 1736
 oxygen deficit incurred during hypoxia, relation to excess lactate, 7355
 tissue oxygenation during hemorrhage, 15895
 Caisson disease, *see* Aeroembolism.
 Calanoida, *see* Copepods.
 Calcasieu River and Valley, Gulf outlet, navigation maps, 8383
 Calcium:
 concentration related to parotid fluid flow rate, 10239
 mobilization resulting from conditions of inactivity in *Macaca irus* monkeys, study, 5707
 parotid fluid, flow rate effect on level, 7363
 serum ionic, measurement by use of specific ion electrode, 13271
 Calcium carbonate, Birch Creek, travertine depositing stream, Inyo County, Calif., physical and chemical description, 8171
 Calcium fluoride, ionic conductivity, 6866
 Calcium isotopes, Ca 43, differential cross sections for (d, α) reaction on scandium 45, 16989
 Calcium sulfate, precipitation investigation, final report, 14198
 Calculating machines:
 current industrial reports, 8942, 10356, 16000
 Calculations, *see* Numerical calculations.
 Calculators:
 stress, speedily converts strain data, 12908
 veterans benefits, 6045
 Calculus of variations, *see* Functional analysis.
 Caldera, *see* Craters.
 Calder, Selma, market indicators for Asia and Oceania, 9013
 Caldwell, Joseph M., coastal processes and beach erosion, 10953
 Caldwell, Ralph D., relief, 255, 561, 800
 Caldwell, Warren W., Black Partizan site, 5499
 Caldwell County, Ky., soil survey report, 8695
 Calendar of events in Library of Congress (periodical), 3072
 Calendars, Air Force libraries, buying calendar for annual publications, 8859
 Calendars (of business), *see* Court of Claims—House of Representatives—Senate.
 Calif, *see* Calves.
 Calhoun, Willis A., metallurgical testing of Hawaiian ferruginous bauxites, 11374
 Calibration:
 analog to digital encoders, analysis, 9891
 calibrating ultrasonic test equipment for checking thin metal strip stock, 12832
 calibration and use of dosimeters, USSR studies, 6565
 current meter performance, laboratory determination, 4729
 divider, high voltage potential, calibrated by simple device, 5145
 dynamic, detectors for remote sensing systems, 9809
 high voltage facility, design and operation, 5292
 microphones at high sound pressure levels, 16966
 pressure transducers, automated tester permits precision from 0 to 1050 psi, 15493
 rectilinear accelerometer possesses self-calibration feature, 1453
 services of National Bureau of Standards, inserts, 8518, 9937-39, 12980, 15585-587, 17032
 simulation, liquid-hydrogen turbine-type flowmeter, using high-pressure gas, 5251
 spectrum analyzers, means for rapid method, 14443

Calibration—Continued
 static calibration of ejector unit for simulation of jet engines in small-scale wind-tunnel models, 6899
 system for more complete calibrations of dynamic-pressure transducers, 9854
 volume-ratio calibration system for vacuum gauges, 6802
 Calibrators, pressure switch, design concept, 6763
 California:
 air transport of strawberries, factors affecting market quality, 1966 spring shipments, 1704
 Arizona boundary compact, consent of Congress, report, 4499
 black oak, increasingly valuable species, bibliography, 14105
 burrowing aconitine anemone, new species, 6952
 census of agriculture, 1964, State and county statistics, 17442
 census of mineral industries, 1963 area statistics, 5823
 central and northern, water pollution, hearings, 15035
 central, petrology of sediments underlying areas of land subsidence, 12607
 climatological data, 3096
 coast pilot supplement, 5944
 coastal basins between San Francisco Bay and Eel River, surface water hydrology, 15315
 collective bargaining groups for poultry feed prices, 7944
 commercial forest area and timber volume, 4859
 county business patterns, 4307, 13365
 dwarf mistletoe parasitizing true firs in California, biology and pathology, 5685
 electric rate book, 14027
 elimination of stratification at Lake Cachuma, progress report, 11183
 forest recreation sites, accidents caused by hazardous trees, 11125
 highway safety study, Operation 66, joint engineering-enforcement project report, 1594
 landings, fish and shellfish, 3073
 low temperature reaction zones and alpine ultramafic rocks, 17817
 mineral and water resources, 2124
 mineral industry, minerals yearbook chapter, 6646
 national forests—
 areas of limited public use, 16651
 recreation facilities development, 17799
 natural resources, 15325
 occurrence of selected minor elements in waters, 11186
 Pacific slope basins, magnitude and frequency of floods, 11188, 14177
 Permian tethyan fusulinids, 16699
 precipitation data, hourly, 3401
 radioactivity, airborne, 1953-56, maps, 1801
 recreational areas, hazard from butt rot defect in lodgepole pine, 1093
 rice stocks and movement report, 3074
 sardine and anchovy larvae distribution, etc., in California Current region, 8036
 sediment transport in Cache Creek drainage basin in coast ranges west of Sacramento, Calif., 11181
 southern—
 new species of *Violetella*, 9953
 Nov. and Dec. 1965 floods, 1115
 water resources, summaries, 1127, 12614
 war on poverty, examination, hearings, 16427
 water pollution, south Lake Tahoe, hearings, 2056
 Water Resources Division, U.S. Geological Survey—
 activities, 1106-9
 reports, lists, 1126

- California—Continued
welfare recipients, nursing home care and payments for drugs, GAO report, 2354
see also Palm Springs Reservation.
- California Debris Commission, nominations, hearing, 12427
- California Institute of the Arts, Walt Disney gold medal, coined bronze duplicates, furnish to, report, 16360
- Calliginae, *see* Copepods.
- Calligoda, *see* Copepods.
- Callaway, Thomas R., housing in Ivory Coast, 6119
- Calonge-Diaz, Carlos M., relief, 9236
- Caloric nystagmus, *see* Nystagmus.
- Calories, salmon diets, studies of caloric levels, 8042
- Calorimeters:
fast-acting type for measuring heat output of plasma gun accelerator, 12911
heating rates, numerical method for determining from thick-calorimeter data, 8486
slug-type, sensing disk invention for higher temperature stability, 11482
- Calorimetry:
bomb, feces preparation, improved method, 1742
indirect, in low pressure environments, 11957
- Calumet River, pollution of interstate waters, progress evaluation meeting, 14053
- Calvert Formation, fossil marine mammals from Miocene Calvert Formation of Maryland and Virginia, 1530
- Calves:
calf barn, open front pen type, building plan, 41
calf crop, 7196, 7297, 14693
on feed, 5681
portable pens, building plan, 5659
- Calycopis, *see* Butterflies.
- Calymenid and other Ordovician trilobites from Kentucky and Ohio, 16698
- Calystriuma, *see* Butterflies.
- Cambarus:
crabfish from Alabama caves, origin of genera *Oreconectes* and *Cambarus* (Decapoda: Astacidae), 17050
range and variations of subspecies of *Cambarus longulus*, 6947
- Cambodia:
background notes, 15753
capsule facts for Armed Forces, 15922
mineral industry, minerals yearbook chapter, 11358-359
Thailand boundary, study, 2883
Thailand boundary, study, 2883
- Cambrian period:
rocks of east-central Alaska, stratigraphy, 6104
rocks of Groom district, Nev., 14169
- Cameras:
cloud droplet camera, 4202
solid-state wide-range low power camera timer for space applications, 5240
TV, electronic shutter gates image orthicon on and off, 15540
TV, subminiature deflection circuit operates integrated sweep circuits, 11479
- Cameroon:
investment guaranties, agreement, 11868
labor conditions, 1367
- Cammett, J., residual strata and displacements within plastic zone ahead of a crack, 5489
- Camouflage, deceptive advertising as to sizes of viewable pictures shown by television receiving sets trade regulation rule, 6337, 11068
- Camp, Thomas F., jr., colorectal polypoid lesions, 14772
- Camp, Thomas H., owning or leasing of covered hopper cars by farmer cooperatives, 16545
- Camp, William B., nomination, hearing, 4632
- Campaign expenditures:
Presidential election campaign fund act—law, 513
summary, 9177
legislative history, 7762
report, 702
Senate amendments, summary, 4567
Presidential election campaign fund act, guidelines—law, 12168
legislative history, 13719
report, 10614
reporting, revise laws, hearings, 739
- Campaign Expenditures, Special Committee to Investigate, House:
expenditures, pay from contingent fund, report, 640
report, 4516
Campaigns (political), *see* Elections.
- Campbell, Arthur A., natality statistics analysis, 8662
- Campbell, Bernard J., relief, 852
- Campbell, Bruce G., digest of Federal natural resource legislation, 13948
- Campbell, C. E., lunar, planetary, and solar topography, Project Tech Top, 5163
- Campbell, C. J., periodic mowings suppress tamarisk growth, increase forage for browsing, 6368
- Campbell, Dewey, relief, 16172
- Campbell, George G., underground combustion oil-recovery experiments in Venango second sand, Reno pool, Venango County, Pa., 11372
- Campbell, James F., longitudinal aerodynamic characteristics of high-drag bodies, 9892
- Campbell, Robert D., information system for urban planning, 11207
- Campbell, Roy E., strawberry insects, how to control them, 10167
- Campbell, Russell H., areal geology in vicinity of Chariot site, Lisburne Peninsula, northwestern Alaska, 8162
- Campbell County, Tenn., forest inventory statistics, 18239
- Campello, Ernesto M., relief, 10539, 13481, 13739
- Campers:
activity patterns, 8071
cost implications of camper and campground characteristics in central Colorado, 14113
- Campgrounds, *see* Camps.
- Camping:
in National park system, fees, facilities, etc., 15610
on public lands, State sites, facilities, etc., 8328
- Camps:
campground trampling & ground cover response, 14138
cost implications of camper and campground characteristics in central Colorado, 14113
successful private campgrounds, study, 8110
summer, opportunities for disadvantaged children, expand, hearings, 15024, 15171, 16427, 17601
- Canada:
allow use of British Columbia ferries for Alaska-bound cargo, hearing, 13851
automotive products, tariff elimination agreement, implementation, annual report, 7803
automotive products, trade, agreement, 2924
centennial—
extend congratulations, report, 9270
5-cent commemorative postage stamp—address at issuance, 11697
poster, 10024

Canada—Continued
 cooperative study of polar cap ionosphere, agreement, 17248
 customs tips for Expo 67, 9358
 defense, civil emergency planning, agreement, 17249
 egg production tests, 1966 report, 4085
 Great Lakes fisheries convention, amending, report, 6064
 Gut Dam claims, agreement, 8725
 immigration inspection, what you should know at time of entry to U.S. after visit to Expo 67, 11213
 light list and other marine aids, Great Lakes, 9003
 loan of long range aid to navigation (Loran-A) equipment, agreement, 2907
 market profiles, 13462
 meteorological research with rockets, agreement, 5548
 mineral industry, minerals yearbook chapter, 6647
 naval base leased to United States, Argentina, Newfoundland, ferry service, agreement, 5534
 pension and medical care legislation, 5516
 pension plan, agreement, 15769
 pilotage services on Great Lakes and St. Lawrence Seaway, agreement, 14689
 plant quarantine import requirements, 15829
 plant regulatory officials, 5618
 radar, continental defense system, phase-out of certain stations, agreement, 2932
 Redcliff, Newfoundland, land adjacent to leased bases area, continuing use, agreement, 7155
 St. Lawrence seaway, Montreal/Lake Ontario section tolls, Welland Canal, lockage fee, agreement, 11872
 selling in Canada, 16104
 supplementary income-tax convention—
 hearing, 17651
 message from the President, 4575
 report, 17620
 tariff concessions, staging, amending agreement, 17247
 telecommunication, pre-sunrise operation of certain standard (AM) radio broadcasting stations, agreement, 15780
 underwater and floating-leaved plants, field identification guide, 15267
 wheat marketing, 4816
 winter maintenance of Haines Road, agreements, 8728, 17230
 Canada-United States Interparliamentary Group, meetings, Senate delegation reports, 764, 15058
 Canadian border to Eureka, Calif., coastal warning facilities chart, 14717
 Canal, Giovanni A., etchings of Canaletto, 10080
 Canal Zone:
 Armed Forces mailing privileges, clarify, report, 10613
 citizenship certificates, authorize issuance—
 law, 424
 report, 923
 insurance business annual report, 12032
 U.S. Army, Southern Command, personnel ordered to, helpful hints, DA pamphlet, 14797
 Canal Zone Government, annual reports, 148, 13356
 Canaletto, see Canal, Giovanni.
 Canals:
 sea-level—
 connecting Atlantic and Pacific Oceans, construction, hearings, 10664
 construction, possible use of nuclear explosive (remarks), 1819

Canals—Continued
 sea-level—continued
 site, joint technical-economic feasibility investigations, agreement with, Colombia, 11835
 Canards, effect in reducing launch vehicle flight loads, 14496
 Cancer:
 aberrant cells, nature, 15674
 biotherapy with cruzin, tumorigenicity of Trypanosoma cruzi as basis, USSR study, 6548
 bone, health information, 17147
 cancer and filtrable forms of cells, USSR study, 8262
 cause and prevention, 5422
 changes in tissue antigena during process of experimental carcinogenesis, 1156
 characteristics of clients rehabilitated, 7221
 chemotherapy abstracts (periodical), 3075-76
 chemotherapy, development in Soviet Union, 11878
 control, senior clinical traineeships, 14618
 drugs vs. cancer, 15708
 lungs, health information, 1575
 oral early detection using exfoliative cytology, training course summary, 18161
 origin, research on evolution of virus theory, USSR study, 9655
 ovarian, surgical treatment combined with application of radiogold, 5031
 precancer and cancer of cervix uteri, differential cytological diagnosis using fluorescence and phase-contrast microscopy, USSR study, 12700
 progress against, 1966, report by National Advisory Cancer Council, 2835
 rates and risks, questions and answers, 5423
 regional medical programs, guidelines, 13076
 research, recent Soviet work, 1334
 services, facilities and programs in United States, 18154
 skin, health information, 2816
 Soviet studies, 9616
 treating, surgery, radiation, and chemotherapy use, 17165
 tumor cells of human brain, DNA content, cytospectrophotometric research, USSR study, 12757
 uterus, 14628
 what to know, what to do about it, 15686
 Cancer Institute, see National Cancer Institute.
 Candles, chlorate, use as concentrated oxygen source, 14410
 Candy, see Confectionery.
 Canine corps, see Dogs.
 Canisters, passive geodetic satellite canister assemblies, 5184
 Cann, M. W. P., light sources for remote sensing systems, 16893
 Canned foods, report (periodical), 3077
 see also names or classes of foods canned.
 Canney, F. C., mineral resources of Pine Mountain primitive area, Ariz., 11166
 Canning and preserving, home, helpful Government publications, list, 15673
 see also names of commodities canned or preserved.
 Cannon, Emerson T., cratering in low-density targets, 11420
 Cannon, Walter F., Smithsonian journal of history, 3879
 Canonical transformations, phase variable form, 12923
 Cans, metal, current industrial reports, 3169, 4330, 15998
 Cantaloupes, see Muskmelons.
 Cantil, August F., local union election appeals, analysis, 6592

INDEX 1967

Canton, Steve :
 Air Force civil engineer, 3008
 Air Force comptroller, 15879
 Canton, Ohio, area wage survey, 11328
 Cantrell, George K. :
 factors in job-satisfaction, follow-up, 10241
 job satisfaction and intent to re-list, 7370
 patients' views of patient care during aero-medical evacuation, 17350
 Canvas, general repair for canvas and webbing, Army technical manual, 14801
 Canyon de Chelly National Monument, general information, 6976
 Canyon group, *see* Pennsylvanian period.
 Canyonlands National Park, gravity and magnetic surveys, 2365
 Capacitance, input, miniature electrometer preamplifier compensates, 2666
 Capacitors :
 cryogenic, dielectric properties of promising materials, study made, 17977
 miniature, functions as pressure sensor, 6747
 nonelectrolytic tantalum, development, 2667
 Pharos bank, vacuum clamp switch, 9984
 Pharos 2-MJ, clamps for bank, 11671
 precision, improved temperature and operational stability, 16885
 Cape, *see* name of cape, except names of towns, etc.
 Cape Cod to Sandy Hook, coast pilot, 7556
 Cape Hatteras, N.C. to Brunswick, Ga., coastal warning facilities chart, 14718
 Cape Hatteras National Seashore :
 funds, authorizing appropriation report, 17629
 general information, 8553
 Cape Henry to Key West, coast pilot, supplement, 5943
 Cape Romain National Wildlife Refuge, birds, list, 17777
 Cape Spencer to Beaufort Sea, coast pilot, supplement, 5945
 Capellen, J., bibliography of 1966 mass spectroscopy literature compiled by computer method, 15961, 17393
 Capillaries, mass transfer, 8211
 Capital :
 adjusting balance of payments deficits through capital accounts (remarks), 4781
 financial intermediaries' role in U.S. capital markets, 6303
 fixed, classification by types in branch break-down, USSR study, 15370
 interest rates in capital markets, 6299
 international markets, and financing of U.S. foreign trade and investment (remarks), 6300
 private outflows and balance of payments (remarks), 1966
 Capital of United States :
 Gallaudet College, model secondary school for deaf to serve region, establishment, etc., law, 408
 legislative summary, 8192
 housing program for senior citizens in Nation's Capital, 11593
 International Center for National Capital, general information, 11594
 National Capital parks, activities, 9955
 proposed comprehensive plan for National Capital, 8528-29
 regional development guide, 1966-2000, National Capital area, 8530
 transit program for region, modify, report, 16294
 welcome to Washington, 13010
see also District of Columbia.
 Capital punishment, executions, 17128
 Capitalism, new capitalism (remarks), 4428

Capitol :
 buildings and grounds, safety and order within, more effective security regulations—
 hearing, 16434
 law, 17553
 report, 16299
 grounds and contiguous areas, comprehensive plan for development, report, 10769
 history, pictorial story, 517
 House side, parking, create select committee to regulate, report, 12274
 police, employ additional personnel, report, 10584
 Capitol Art and Antiquities Commission, *see* Art and Antiquities of Capitol Commission.
 Cap'n Frank (vessel) :
 documentation with coastwise privileges, report, 10764
 Capone, Francis J., determination of boundary-reflected disturbance lengths in Langley 16-ft. transonic tunnel, 16991
 Capps, Hahn W. :
 Loxostege Hubner species review and descriptions of new species (Lepidoptera, Pyraustidae: Pyraustinae), 8542
 moths of genus *Euchromius* Guenée, etc., 5308
 Capsules, sealed, human water exchange, 12863
 Captioned films for the deaf program, 10929
 Car wash, *see* Carwash.
 Caraway, Bobby L., physiologic baseline studies of zoologic specimens, 7351
 Carbamic acid, carbamates, chemical safety data sheet, 9682
see also Zectran.
 Carbides :
 cathodes of uranium, zirconium and solid solutions, USSR studies, 6532
 manufacture of thin plates from refractory carbides, USSR study, 1296
see also Boron carbide—Molybdenum carbide—Silicon carbide—Tantalum carbide—Uranium carbide.
 Carbohydrates :
 classification definitions, 18123
 isotopic methods for analysis, 18081
 Carbon :
 compounds, chemistry, classification definitions, 18133
 compounds in air contaminants, models for analysis of radiation behind shock waves, 9905
 content and temperature of tantalum carbide, Hall coefficient as function, 18018
 electrochemical reduction of chlorine on carbon in molten lithium chloride-potassium chloride, 17003
 hafnium-carbon phase diagram, investigation, 14340
 impregnated mechanical carbons, wear and friction at temperatures to 1400° F in air or nitrogen, 9915
 phase relations in uranium monocarbide region of system uranium-carbon-oxygen, 12821
 phenolic composite, nondegraded and thermally degraded, thermal and mechanical properties, 16917
 stabilization in stainless steel and its effect on mass transfer in stainless steel-Cb-1Zr-potassium system, 12864
 Carbon arc, *see* Electric arc.
 Carbon black, mineral industry survey, monthly, 3078
 Carbon dioxide :
 acidity constant of true carbonic acid and its rate of dehydration, use of flow apparatus with glass electrodes, 12734
 adsorption of anthracite, surface area studies, 1412
 adsorption on carbon solids, 5351

Carbon dioxide—Continued
coupled vibration and dissociation relaxation behind strong shock waves, 6908
Earth's horizon radiance profile in 15 micron absorption band, 8417
electrolytic dissociation of $\text{CO}_2\text{-H}_2\text{O}$ using solid oxide electrolyte, study, 6715
interaction with hydrogen chemisorbed on platinum electrode, errata, 8586
measuring content of blood by electrochemical technic, 10243
measuring in inspired air of self-contained breathing apparatus, machine-test method, 1413
1,4 cyclohexanebis (methylamine), regenerative absorbent, 8589
pressures and forces on flare-stabilized bodies in air and in mixture of 85-percent CO_2 and 15-percent air, 17011
profile in Martian atmosphere, flyby measurements, 15569
recombination of carbon monoxide and atomic oxygen at high temperatures, 2718
sensor, electrochemical, 17354
Carbon disulfide:
bench scale production from lignite char and sulfur, 5127
intensity measurements of absorption bands, 1550
Carbon isotopes, carbon-14 labeled stearic acid adsorption on iron, study, 14595
Carbon monoxide:
bibliography with abstracts, 1589
production, flame characteristics causing air pollution, 8378
reaction rates with hydroxyl radicals and oxygen atoms, 16997
recombination of carbon monoxide and atomic oxygen at high temperatures, 2718
Carbon steel, *see* Steel.
Carbon tetrachloride:
and endrin, comparison of acute effects on livers of rats, 4252
fire extinguishers, hazards, 8151
Carbonates, carbonate-bicarbonate equilibrium research, USSR study, 1250
Carbonau, Pierre, or heirs, relief, 610
Carbonization:
coal—
BM-AGA yields from 13- and 18-inch-diameter retorts, correlation, 2575
conditions, effect on coke size and strength, 16866
Fayette and Greenbrier Counties, W. Va., 2576
high-temperature irradiation and carbonization, products from, comparison, 2572
Logan and Mingo Counties, W. Va., 5130
low-temperature, product yields, Utah coalfields, estimation, 14345
yields and analyses of tars and light oils, 16850
Carbothermic process, magnesium production methods, economic and technical evaluation, 11376
Carcinogenesis, *see* Cancer.
Carden, Huey D., application of penetrometer technique to lunar surveying staff concept, 11503
Cardiac activity, *see* Heart.
Cardiac output, *see* Blood.
Cardiopulmonary responses of resting man during early exposure to high altitude, 7413
Cardiovascular system:
absorption of radioactive albumin from lungs, 13269
airmen who apply insecticides from aircraft may suffer ill-defined effects, 17410
bedrest effect on circulatory response to Valsalva maneuver, 2395

Cardiovascular system—Continued
circulatory function of man during prolonged bed rest, influence of long-term lower body negative pressure, 1734
deconditioning, observed after 10 days bed recumbency, possible preventive effects of muscular exercises and intermittent venous occlusion, study, 8408
forearm vascular responses to lower body negative pressure and orthostasis, 4175
metabolic aspects of acute starvation—performance and cardiovascular evaluation function, 121
ten days, 122
reactions of crewmen during Voskhod-2 orbital flight, 6355
response of man in oxygen-helium atmosphere, 88
responses in anesthetized dogs during repeated decompressions to near-vacuum, 78
systemic vascular reactions by means of complete artificial blood circulation in cats, USSR study, 11287
Cards, card processing operations, tabulating equipment, standard time values for work measurement, 184
see also Catalog cards.
Cardus, David, possible preventive effects of muscular exercises and intermittent venous occlusion on cardiovascular deconditioning observed after 10 days bed recumbency, 8408
Cardwell, W. D. E., ground water, 11179
Career Advancement, Presidential Task Force on, *see* Presidential Task Force on Career Advancement.
Career guidance, *see* Guidance.
Careers, *see* Civil service—Government officials and employees—Occupations.
Carey, James T., handling of juveniles from offense to disposition, 13180-182
Cargo, fixed wing aircraft, restraint design criteria, analysis, 10289
see also Shipping—Ships.
Cargo carriers, U.S. certificated, domestic, international and overseas routes, map, 4377
Cargo services, *see* Air carriers.
Caribbean area:
climatological data, 3096
Communist threat to U.S., hearings, 937, 2125, 7816
health information for travel, 13080
islands, mineral industry, minerals yearbook chapter, 14332
vegetable gardening, 15836
Virgin Islands, U.S., our Caribbean gems, description, history, etc., 18240
Caribou County, Idaho, geology of Stewart Flat quadrangle, 11162
Caridad Ares y Fernandez de Bosch, Myriam, *see* Bosch, Myriam.
Caries, *see* Teeth.
CARIH (Children's Asthma Research Institute and Hospital) Asthma Week, *see* National CARIH Asthma Week.
Carillons:
duty-free entry—
Northfield and Mount Herman Schools, 7650, 14884, 16353
University of California, 7649, 14887, 16355
Caritus, *see* Copepods.
Carl, Herbert A., statewide long-range planning for libraries, 1016
Carleton, Nathaniel P., metastable molecules of atmospheric interest, 4153
Carload waybill statistics, *see* Railroads.
Carlson, A. J., Carlson-Crittenden device for collection of human parotid fluid, further modification, 10240
Carlson, Robert B., Zimmerman pine moth, 11105
Carman, Hoy F., apple-packing costs in Michigan, 5653

INDEX 1967

- Carmel, N.Y., aircraft accident, 4370
 Carmel formation, *see* Jurassic period.
 Carmichael, Ralph L., integrated approach to analysis and design of wings and wing-body combinations in supersonic flow, 1493
 Carnations:
 blooms, quality and display life after storage in controlled atmospheres, 15863
 production and sales, etc., 10108
 Carnevale, E. H., experimental determination of transport properties of high temperature gases, 11412
 Carney Lake Complex, rocks, petrographic descriptions, 6398
 Carnivores, brain stem and spinal cord, neuronal structure and synapses, USSR study, 12711
 Carolin, V. M., field testing of *Bacillus thuringiensis* for control of western hemlock looper, 14140
 Carolina Beach, N.C.:
 harbor, engineer report—document edition, 2006
 document edition, 2006
 Carp, Frances M., patterns of living and housing of middle-aged and older people, 14634
 Carpenter, Anita A., catalog of captioned films for the deaf, 7891
 Carpenter, C. H., ground-water conditions, etc., upper Sevier River basin, Utah, 14180
 Carpenter, Carmen, cumulative index of congressional committee hearings, 2d quadrennial supplement, etc., 13472
 Carpenter, Frances, evaluation of fibro-sampler and digital fibrograph for sampling cotton fibers and measuring length characteristics, 8834
 Carpenter, Kenneth S., directory of public training schools serving delinquent children, 4364
 Carpenter, Richard A., policy planning for technology transfer, 10693
 Carpenter, Stanley B.:
 controlling chili obia trees by injecting herbicides, 8088
 herbicides for site preparation, broadcast spray by mist blower tested against understorey in Hawaii rain forest, 4842
 Carpenters, safe work guide, 11302
 Carpet mills, displaced workers, case study of post-layoff experience, 1360
 Carpets:
 and carpeting, current industrial reports, 4338, 8945, 13393
 duty free sales of certain waste produced from imported conditionally duty-free carpet wool, GAO review, 12591
 Wilton, Brussels, etc., Tariff Commission report, 15808
 Carpio, Arturo V. Fajardo, *see* Fajardo-Carpio, Arturo V.
 Carr, James N., United States typewriter industry, analysis and trends, 13355
 Carreras, Bienvenido Benach, *see* Benach-Carreras, Bienvenido
 Carreras, Bienvenido
 Carriage system remotely moves drawer over extended distance, 6703
 Carriers:
 common carrier services, applications, FCC, 3269
 interstate commerce act, amend to permit free or reduced rates for governmental bodies only during war or national emergency, hearings, 16398
 interstate commerce acts annotated, 1962 supplement, 6475
 railroad, schedule of annual indices, revised pages, 16728
 see also Air carriers—Communications—Motor carriers—Pipe lines—Telephone—Water carriers—Weapons carriers.
 Carrigan, Anne L., geophysics and space data bulletin, 3377
 Carriker, Melbourne A., Jr., authority on Mallophaga, posthumous papers, catalog of forms described as new, and bibliography, 15599
 Carrots, commercial growing, 11932
 Cars, *see* Automobiles—Railroad cars.
 Carter, Arthur W., free-flight characteristics, etc., of ground-effect machine, 9880
 Carter, Lisle C., Jr., optimum social welfare, 8194
 Carter, Mary E., arthritis and rheumatic diseases abstracts, 3045
 Carters Dam, construction, wage rate determinations, Labor Dept., GAO review, 4878
 Cartographers, examination announcement, amdt., 13439
 Cartographic technicians, examination announcements, 1910, 13445
 Cartography, *see* Maps and charts.
 Cartridges, excise tax, amend internal revenue code, reports, 2027, 7698
 Carver, John A., Jr., nomination, hearings, 6094
 Carwash, starting and managing, 15733
 Casa Grande Ruins National Monument, general information, 13003
 Cascade (USS):
 deployment to Malta, agreement, 8745
 Cascade Range, forest floors and soils under true fir-hemlock stands, characteristics, 11139
 Cascade Springs quadrangle, S. Dak., geology, 14168
 Case, Clifford P., United Nations peacekeeping dilemma, 10835
 Caseload statistics, State vocational rehabilitation agencies, 5588
 Cases, *see* Brief cases.
 Caseworkers, *see* Social workers.
 Casey, Harold W., residual pathologic changes in central nervous system of dog following rapid decompression, 1743
 Cashlon, W. B.:
 Carmel formation of Zion Park region, southwestern Utah, 11168
 geology and fuel resources of Green River formation, southeastern Uinta Basin, Utah and Colo., 12610
 Cash-registers, repairmen, apprenticeship and training policy, 7373
 Caskey, James E., Jr., monthly weather review, 3583
 Cass, Millard:
 addresses—
 Jan. 21, 1967, 5039
 May 24, 1967, 11295
 Cass County, N. Dak., soil survey report, 8702
 Cassegrain antennas, *see* Antennas.
 Cassell, Frank H.:
 addresses—
 Apr. 27, 1967, 10945
 June 29, 1967, 12473
 Cassini, LAC 25, lunar chart, 7321
 Cast iron:
 current industrial reports, 3169
 white, homogeneity characterization of NBS spectrometric standards, 2737
 see also names of manufactured articles.
 Castaneda, David, relief, 13735, 16209, 17512
 Castellanos Lopez, Julio J., relief, 827, 9229
 Castillo, Antonio Martin Ruiz del, *see* Martin Ruiz del Castillo, Antonio.
 Castillo de San Marcos National Monument, general information, 6977
 Castings:
 heat treatment study of aluminum casting alloy M45, 12892
 iron, current industrial reports, 3169
 nonferrous, current industrial reports, 3169, 4335, 14830
 nonmalleable iron, amend tariff schedules, report, 7697
 plug replaces weld filler as seal, 2632

Castings—Continued

- steel casting and foundry work in USSR, 1224
- steel, current industrial reports, 3169
- castration, hogs, general information, 5637
- Castro, Amparo, relief, 12330, 13488, 13601
- Castro, Renato C., relief, 317, 868
- Casualties, Air Force, benefits for dependents and survivors, personal affairs pamphlet, 13259
- Caswell, R. S., Fortran programs for calculation of Wigner coefficients for angular momenta, 1526
- Catalano, John F., arousal as factor in reminiscence, 9981

Catalog cards:

- Library of Congress—
 - books, authors, 1393, 3601
 - books, subjects, 2529, 3505
 - motion pictures and filmstrips, 3506
 - music and phonorecords, 15459
- Cataloging:
 - Atomic Energy Commission, corporate author entries, 13345
 - cataloging handbook, H series, 975-976, 2144-46, 3325-27, 7847, 10886, 16457, 17688
 - cataloging manual M (series), 4669, 6140, 12439, 16458, 17689
 - descriptive, of Government scientific and technical reports, standard for, 6245
 - notes for medical catalogers (periodical), 3639
 - service, bulletin, 3081
 - supply cataloging—
 - Federal manual—
 - international cataloging, 4669
 - operating procedures, 17689
 - procedures for FSC classes assigned for integrated management, 6140
 - format, content, and preparation of Federal supply catalog publications, 12439
 - technique for measuring image quality, development and evaluation, 7406

Catalogs:

- Air Force Academy, Colo., 10208
- Armed Forces Information and Education, current information materials, 7374
- captioned films for the deaf, 7891
- Census Bureau, 3064
- census publications, monthly supplement, 3065
- Coast Guard Academy, 14879
- Commerce Department publications, 1965 supplement, 4454
- copyright entries, 967-969, 2141, 10880, 12432-435, 13904, 16451-452, 17682-685
- darters, type specimens (Pisces, Percidae, Etheostomatini), 6951
- Dürer and his time, exhibition from collection of Print Room, State Museum, Berlin, 10079
- Federal assistance programs, 12447
- films, 1967, Public Health Service, 17045
- films on oceanography, 2770
- 5,000- and 10,000-year star catalogs, 8683
- Government publications, monthly catalog, 3568
- GSA stock catalog—
 - general supplies, 3385, 16606
 - supplements, 8009, 11066
 - handtools, 6334
 - supplements, 4797, 11067, 16608
 - standard forms, 16607
- Homoptera, 12
- Industrial College of Armed Forces, 1967-68, 11240
- Investment information and opportunities, index, 1150, 14208
- deletion notices, 3079
- supplement notices, 3080
- Joint Publications Research Service current translations, addendum, 2425, 15344

Catalogs—Continued

- Labor Statistica Bureau publications, 5318, 17898
- Library of Congress—
 - books, subjects, 2529, 3505
 - motion pictures and filmstrips, 3506
 - music and phonorecords, 15459
 - national register of microform masters, 2530
 - national union catalog, 3601
 - annual cumulation, 1393
 - manuscript collections, 2531
 - register of additional locations, 16838
 - subject heading, monthly supplement, 3910
- medical and veterinary zoology, 15, 13205
- meteorological satellite data, television cloud photography—
 - ESSA 3, 16536
 - TIROS IX, 6227
 - TIROS X, 13990
- microfilm publications of National Historical Publications Commission, 6936
- Military Academy, West Point, 17910
- National Bureau of Standards, standard materials, 17033
- quarterly insert sheets, 1519, 11582
- National Library of Medicine—
 - annual cumulation, 8533
 - biweekly listing, 3597
 - cumulative listing, 11601
 - 16th century printed books, 15598
- Naval Academy, Annapolis, 5327, 17061
- Naval Oceanographic Office, technical reports and special publications, 11632
- outdoor recreation research projects, 7029
- packaged disaster hospital materials, 13081
- paintings, Alice Pike Barney memorial lending collection, 2747
- parasite and subject catalog, protozoa, 15
- programmed instructional material, Navy, 18106
- synoptic, Hymenoptera of America north of Mexico, 7267
- United States nautical chart catalog—
 - Alaska and Aleutian Islands, 216
 - Atlantic and Gulf Coasts, Puerto Rico and Virgin Islands, 4415
 - Pacific Coast, Hawaii, Guam and Samoa Islands, 7538
- water resources research, 6452
- zoological names of Portland catalogue, 8546
- Catalysis, research, current status in Hungary, 16739
- Catalysts:
 - biological models, USSR study, 14239
 - metallocomplex catalysis research, USSR study, 1250
 - noble metals, molybdenum, and tungsten in hydrocarbon synthesis, 12827
 - Raney nickel technology, 14418
- Cataracts, hope through research, 18167
- Catasus, Antonio U., relief, 272, 583
- Catasus-Rodriguez, Ubaldo G., relief, 10540, 13482, 13740
- Catecholamines:
 - excretion during exposure to oxygen-hellum atmosphere, 7366
 - response to tilting, effects of bed rest and water immersion, 7345
- Caterini, Dino J., relief, 7661
- Caterpillars, control on cabbage, etc., in South, 15847
- Catfish:
 - channel—
 - marketable, rearing in ponds, 6356
 - MS-222 as anesthetic, 8033
 - response of fingerlings to purified diets, 8042
 - vitamins essential for growth, 8042
 - fancy, recipes, 8025
- Cathey, Henry M., growing flowering annuals, 15853
- Cathode ray tubes, display, computer program samples digital data, 14410

Cathodes:

- carbide, evaporation rates of uracium, zirconium, and solid solutions, USSR studies, 6532
- durability tests in mercury electron-bombardment ion thrusters, 12960
- high rate, exploratory investigation, 8596
- hollow, plasma penetration study, 2612
- hot-cathode magnetron ion gauge, 5185
- oxide-cathode durability in mercury electron-bombardment ion thruster, 6867

Cations, see Ions.

Cats:

- artificial blood circulation, systemic vascular reactions, USSR study, 11287
- hyperthermic, carotid and femoral artery blood flow, 5710

Cattaraugus Creek:

- harbor, improvement, engineer report—departmental edition, 10950
- document edition, 10505

Cattle:

- beef cattle corrals, form building plan, 4125
- blackleg, cause, control, etc., 14748
- contagious pleuropneumonia still threat, 10190

dairy—

- DHIA sire summary list, Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, and Red Dane sires, 7245, 17299
- interstate movement, selected States, 8756

- diets on native and seeded ranges in ponderosa pine zone of Colorado, 6369
- fescue foot, what to do about it, 14750
- grazing, effects on ponderosa pine-bunchgrass range in Colorado, 14764
- grazing in woods or woods in pasture, 14093

- growth, effects of protein and energy intake on nitrogen retention, 1723
- market, testing program, brucellosis eradication activities, 3919
- on feed, 3082, 5681

- relationship between timber and cattle production on ponderosa pine range, Wild Bill Range, 16652

- salmonella reports, salmonellosis review, 9
- sold for slaughter, selected markets, 3082
- stocker and feeder, shipments, 3875
- young malnutrition effect on feed utilization, body size and meat quality, 14765

- see also Livestock—Tuberculosis in animals.

Cattle ranges, see Range lands.

CATV (community antenna television), see Television.

CATV requests filed pursuant to FCC rules, 3269

Caucasus:

- anti-ball expedition, 1965, work, results, 12681

- Lower, man's adaptation to high altitude, USSR study, 14276

Caullflower, caterpillar control in South, 15847

Caviechl, Richard H., mapping tungsten-reactor rocket engine as guide to operation and control, 9876

Cavity resonators, see Resonators.

Cawthoru, Jimmy M., measurement of performance, inlet flow characteristics, and radiated noise for turbojet engine having choked inlet flow, 11499

Cayman Islands, see Jamaica.

CBR, see Biological warfare—Chemical warfare—Radiological warfare.

CCC, see Commodity Credit Corporation.

CCPM pamphlet, 10043

CCR Clearinghouse publications, 8982, 14849-850

CEA-series, 3341, 3874

CEC, see Civil Engineer Corps, Navy.

Ceccarelli, Jane M., vested benefits, 5501

Cedar:

- eastern redcedar, effect of gibberellic acid spray on seedlings, 11129

juniper control by individual tree burning, 2313

- Juniperus communis, Gymnosporangium clavariiforme in witches' brooms, 8809
- recedar, establishing mixtures in poor oak-hickory forests, 8073

Cedar Rapids, Iowa, population, special census, 10367

Cedros Trench, bathyl and abyssal gammaridean Amphipoda, 17046

- Celentano, J.T., acclimatization versus tolerance to stress, annotated bibliography, 17363

Celestial bodies, exploration and use, treaty on principles governing activities of States, analysis and background data, 7791

Celestial mechanics:

- computing orbits, regularization methods, 12857

new methods—

- integral invariants, periodic solutions of 2d type, doubly asymptotic solutions, 11561

- Newcomb, Gylden, Lindstedt, and Bohlin methods, 11560

- periodic solutions, non existence of integral invariants, asymptotic solutions, 9921

see also Three-body problem.

Celestial navigation, see Navigation.

Cellobiase, 1-C14, preparation and purification, 14087

Cells:

- animal, infecting with ribonucleic acid of tobacco mosaic virus, possibility problem, USSR study, 6486

- connector for saturated standard cells, 11590

- film, cadmium sulfide, mechanism, 6889

- nucleolus, structure and function, international symposium, 7074

- structure, virological and microscopic studies, USSR, 6562

- sympathetic ganglion cells and acridine orange-DNA complex spectra, USSR study, 12702

- tissue and organ culture, 2d decennial review conference, 18172

see also Blood—Cancer—Cytology.

- Cells (electrolytic), see Electrolytic cells.

- Cellular materials, cellular structures as load bearing structural elements, Hungarian study, 4936

- Cellulose, alpha, effect of inorganic salts on pyrolysis determined by dynamic thermogravimetry, 8103

Cement:

- duty-free treatment of limestone for cement—

- law, 10483

- reports, 9092, 10563

- industry, vertical mergers, enforcement policy, 4799

- mineral industry survey, monthly, 3084

- minerals yearbook chapter, 5098

- performance in concrete, 16528

- portland cement concrete pavements, non-destructive testing, evaluation of Dynaflect, 16524

- refractory, crucible cast from, impervious to flux and molten metal, 5152

Cemeteries:

- American military, overseas, general information, 14787

- land in trust for Battle Mountain Indian Colony—

- law, 14915

- reports, 13827, 14932

- see also names of cemeteries, or places where located.

Cenozoic era:

- Enos Creek detachment thrust fault, geology, 2360

Cenozoic era—Continued
 pectinids of Alaska, Iceland, and other
 northern regions, 11180
 volcanic rocks of Devils Postpile quad-
 rangle, eastern Sierra Nevada, Calif.,
 14170
 Censorship, press, field manual, 13293
 Census:
 address coding guide and register, general
 applications, 16028
 agriculture, 1964—
 data-collection forms and procedures,
 16041
 final reports, 16041
 preliminary reports, 3085
 State and county statistics, 7499-7510,
 8962-65, 10388-398, 12091-92, 13404,
 14837-839, 16036-40, 17442
 business, 1963—
 major retail centers, area statistics,
 bound volume, 1832
 retail trade area statistics, 10339-340
 bound volume, 151
 retail trade subject reports, bound vol-
 umes, 5818, 8930-32, 10341
 retail, wholesale, services, bound vol-
 umes, announcement and order form,
 7453
 special reports, 4270, 5816-17
 wholesale trade subject reports, bound
 volume, 7459
 computer-based geographic coding, 1970
 (paper), 4304
 governments, 1967, preliminary reports,
 13361
 manufactures, 1963—
 area statistics, 152-165, 1833-53, 4271,
 bound volume, 7462
 final reports, announcement and or-
 der form, 12033
 general summary, 4273
 industry, statistics, 4272, 8933
 bound volume, 7461
 preliminary reports, 3086
 special reports, 13362, 14817
 subject reports, bound volume, 7460
 subject statistics, 4273-79
 summary and subject statistics, 7460
 methodological reports, 1900-66, list,
 10382
 mineral industries, 1963—
 advance reports, 3087
 area statistics, 4280-4300, 5821-46,
 7463-64
 announcement and order form, 5808
 bound volume, 12038
 announcement and order form,
 13363
 industry statistics, 166-167, 1854, 5847,
 7465, 8934, 10342
 bound volume, 13364
 announcement and order form,
 13363
 subject statistics, 5848, 7466-71, 8935
 final reports, announcement and or-
 der form, 4263
 monograph, 1960, census, 14833
 Nation's census taker, 5889
 needs and plans for 1970 censuses, papers,
 4303
 planning 1970 censuses to meet State and
 local needs (paper), 10383
 plans for 1970 census of population and
 housing, hearings, 13711
 population, mid-decade census of 1975, etc.,
 reports, 13663, 13686
 population, 1960, final reports, 13402-403,
 14835
 population, 1790-1890, price list of micro-
 film copies of schedules, 1518
 population, supplementary reports, 4301
 population, unemployment, and housing,
 mid-decade census in 1975, etc., hear-
 ings, 10666
 records, your name is somewhere, 10400

Census—Continued
 seasonal adjustment program, X-11 vari-
 ant of census method II, 5902
 small-area data activities, 3878
 statistical briefs from around world (pe-
 riodical), 3598
 statistics, obtaining for selected group of
 persons, 8955
 tract memo, 3088
 tract papers GE-40 (series), 4303
 transportation, 1963—
 final volumes, 1855-56, 4302, 7472-73
 passenger transportation survey, 10343
 see also subjects.
 Census Bureau:
 catalog, 3064
 continuing review of retail trade, surveys,
 announcement and order form, 1884
 data access descriptions—
 automated address coding guide and data
 retrieval series, 16028
 matching studies series, 8955
 employees, claims incident to service in
 taking 1960 decennial census, Secre-
 tary of Commerce to settle—
 law, 442
 report, 928
 facts about America from recent surveys,
 7491
 methodological reports, 1900-66, list,
 10382
 Nation's census taker, general information,
 5889
 press releases, 3708
 publications, catalog, supplement, 3065
 schedule B, 3849
 schedule P, 10386
 Small-Area Data Advisory Committee, ac-
 tivities, 3878
 special censuses conducted, summaries,
 7488-89, 10379, 16018, 16023
 standard industrial classification (SIC)
 system (address), 181
 technical papers, 5902, 13401, 16035
 working papers, 13413
 Center for International Systems Research,
 occasional papers, 5525
 Central African Republic:
 labor conditions, 1368
 Peace Corps program, agreement, 7186
 Central America:
 caddis flies, 11611
 east coast, sailing directions, change, 9969
 health information for travel, 13080
 records of Dept. of State, microcopy,
 pamphlet to accompany internal affairs,
 18067
 west coast, sailing directions, 6998, 15625
 Central American Common Market, foreign
 trade regulations, 17478
 Central Arizona project:
 authorize, etc.
 hearings, 10851
 report, 13826
 Central City quadrangle, Colo., petrology and
 structure of Precambrian rocks, 12611
 Central Intelligence Agency:
 act of 1949, amend, hearing, 719
 deputy director, nomination of Rufus L.
 Taylor, hearings, 942
 Central Management Office of Food Services
 Department, D.C., salaries and operating
 costs, funds, reports, 2087, 16381
 Central nervous system, see Nervous system.
 Central Radio Propagation Laboratory, see
 Telecommunication Sciences and Aeronomy
 Institute.
 Central RR. Co. of New Jersey, payment of
 loan guarantees, appropriation, 10699
 Central States:
 cost of transporting freight, 11232
 east south central division, annual survey
 of manufactures, 1965 statistics for
 States, standard metropolitan statistical
 areas, and large industrial counties,
 17420

INDEX 1967

- Central States—Continued
 farm jobs from Gulf to Great Lakes, guide, 6202
 north central region—
 nonmetropolitan areas, employee earnings and hours, 15447
 pulpwood production, etc., 1965, by county, 2337
 south, ground-water levels in United States, 16702
- Central Valley:
 drainage from east, magnitude and frequency of floods, 14177
 flood drainage from west, 11188
- Central Valley project:
 annual report, 14642
 history and achievement, 8666
 Sacramento Valley irrigation canals, in crease capacity—
 law, 14909
 reports, 7714, 9116, 10735
- San Felipe division, construct, etc.—
 hearings, 12303
 law, 16128
 reports, 10790, 14935, 14954
- San Felipe division, Interior Dept. report, 5975
- Tehama-Colusa Canal, enlargement and realignment—
 law, 14909
 reports, 7714, 9116, 10735
- Centrifugal compressors, see Compressors.
- Centrifugal fans, see Mechanical fans.
- Cephalopods, see Squids.
- Cepollina, Frank J., analog computation in predicting temperature of spacecraft, 6853
- Ceramals, thermal conductivity of cermet fuel materials for nuclear reactor application, estimating, 8502
- Ceramics:
 and insulating materials, properties, USSR study, 16755
 coating, intergranular metal phase increases thermal shock resistance, 6811
 heat shields for lifting reentry vehicles, study, 15509
 hot rolling of oxide-glass compositions, 12820
 new metal and metal-ceramic composites, 5194
- Ceramists, nuclear science and technology, proceedings of symposium, 12982
- CERC, see Coastal Engineering Research Center.
- Cereals as food, whole grain or enriched, good choice for thrifty family, food value, use, 9342
- Cerebral air embolism, 12793
- Cerebral cortex:
 man and experimental animals in convulsive states, USSR electron microscopic study, 12752
 structure, electron microscopic investigation, USSR study, 15348
- Cerebral palsy, see Palsy.
- Cerebrovascular system:
 disease epidemiology workshop, papers, 7084
 disorders (strokes), 18176
- Cerebrum, see Brain.
- Ceremonies (military), see Military ceremonies, honors, and salutes.
- Ceremonies (naval), see Naval ceremonies, honors, and salutes.
- Cerium:
 magnesium alloys, intermediate phases between magnesium and Mg_2Ce , 1414
 metal, solid-state electromigration of impurities, 5129
- Cermets, see Ceramals.
- Certificates, see types of certificates, or subjects involved
- Certification, school certification of full-time attendance for social security purposes, 15743
- Certifying your programs aeres, 7293
- Cesium:
 porous ionizers for contact ionization, status, 11540
 vapors, expansion and flow characteristics, 2717
 volume ion production costs in tenuous plasmas, detailed results, 15577
- Cesium isotopes:
 Cs-137—
 body measurement on human beings, intercomparison of reliability, 17400
 distribution in freshwater ponds, 15681
 gamma rays, differential energy and angle spectra in water and air, 13326
 in irradiated nuclear fuel, separation technique provides rapid quantitative determination, 12845
- Cestoda, index-catalog, 13205
- Ceylon:
 accession list, Library of Congress American Libraries Book Procurement Center, New Delhi, 11337
 agricultural commodities, agreement, 1641
 background notes, 1613
 economy, basic data, 4439
 mineral industry, minerals yearbook chapter, 8344
 sailing directions, 17073
 U.S. travelers, you can assist U.S. balance of payments, 11887
- Chace, Fenner A., Jr., decapod crustaceans from St. Helena Island, South Atlantic, 6945
- Chaco Canyon National Monument, general information, 1532
- Chad:
 background notes, 1614
 labor conditions, 1369
 Niger boundary, study, 1633
 Peace Corps volunteers, agreement, 2925
- Chafe, Wallace L., Seneca morphology and dictionary, 13001
- Chafers, see Beetles.
- Chagas' disease, see Trypanosomiasis.
- Chai-ho Hay Chu, see Chu Chai-Ho Hay.
- Chain stores, see Stores.
- Chains, Federal item identification guides for supply cataloging, supplements, 3287
- Chains (biochemical), see Biochemistry.
- Chairs, wood folding, without arms, Federal standard, 6314
- Chalcid flies:
 alfalfa seed chalcid, procedures for screening and testing alfalfa for resistance, 14733
 Eurytoma in America north of Mexico, revision, 8536
- Challenge Experimental Forest, broadcast seeding ponderosa pine, progress report, 16660
- Challenge of crime in free society, report by President's Commission, 7044
- Chamberlayne, Earl C., relief, 12250
- Chambers, Harriet C., relief, 4495
- Chambers, Washington Irving, papers in Library of Congress, register, 11340
- Chemical tract:
 construct border highway along U.S. bank of Rio Grande—
 law, 499
 reports, 630, 701, 904
- Champlin, Jerry B. F., porous permeable rock for nuclear waste disposal, 9778
- Chan, Kwok-Long, electron densities and scale heights in topside ionosphere, 2617, 16930
- Chance to help, story of SWEAT.
- Chancelleries:
 foreign sites in D.C., commissioners to acquire—
 hearings, 6033
 report, 7701
- Chancellorsville, Battle of, where hundred thousand fell, 1533
- Chanceries, see Chancelleries.
- Chang, Kyong Hwan, relief, 12346

- Chang, Mary T., photography, PACF basic bibliography, 8867
- Chang-You Wu, see Wu, Chang-You.
- Changing the hem in dress or skirt, 7283
- Changing the pecking order, 17716
- Channel catfish, see Catfish.
- Channels:
- automatic switching device, 9849
 - communication, monitor assures availability and quality, 8460
 - convection boiling inside channels, study, 7430-31
 - heated vertical, low-pressure steam-water flow, final report, 7430
 - natural, roughness characteristics, 17833
 - sediment transport in alluvial channels (series), 16695
 - velocity-head coefficients in open channels, 1133
- Channels of technology acquisition in commercial firms and NASA dissemination program, 14375
- Chaparral:
- communities, moisture-retention capacity of litter, Arizona, 14112
 - picloram herbicide for killing species, preliminary rating, 8085
- Chaplains:
- Naval Reserve, handbook, change, 8580
 - Navy, public affairs handbook, 13028
 - VA workshops 1966 (papers), 15817
- Chapman, Andrew J., arc-tunnel evaluation of some ablative heat shield materials for X-15-2, 5238
- Chappelle, Daniel E., computer program for calculating allowable cut using area-volume check method, 8080
- Char, carbon disulfide bench-scale production, 5127
- Characidae, South American fishes of subtribe Nannostomina, 8536
- Character:
- describing airman performance in administrative career ladder by identifying patterns of trait ratings, 11952
 - rodent ethology, with emphasis on evolution of social behavior, comparative study, 15603
- Characteristics and trends of clients rehabilitated, 8784
- Characters (graphic symbols):
- alphanumeric characters, etc., legibility, reference handbook, 6917
- Charcoal, organic loading, NMR method for determining, 14597
- Charge storage effects in mylar resulting from electron irradiation, 2610
- Charge transfer, halogen-organic complex, primary cells utilizes, 6837
- Chariot Project, see Project Chariot (nuclear excavation).
- Charitable institutions:
- tax-exempt foundations, impact—
 - on economy—
 - committee prints, 4562, 10679
 - hearings, print additional copies, reports, 13653, 13820
 - on small business, hearings, print additional copies, reports, 13653, 13820
- Charitable trusts:
- tax-exempt, impact on economy—
 - committee prints, 4562, 10679
 - hearings, print additional copies, reports, 13653, 13820
- Charles M. Russell National Wildlife Range, general information, 2279
- Charleston, S.C., harbor, tidal current charts, 14874
- Charleston, W. Va., area wage survey, 12771
- Charleston Naval Shipyard, employees relief, 315, 566, 846
- Charlie (ocean station), see Weather stations.
- Charlotte, N.C., area wage survey, 14287
- Charly, Harry T., beginning Russian 2, study guide, 974
- Charnell, Robert L., trade wind zone oceanography pilot study, Townsend Cromwell cruises, etc., 16627-632
- Charring ablators, see Ablators.
- Charring rate of selected woods, transverse to grain, 11132
- Chars, chloroform extractions of coals and chars, 12826
- Charters:
- American Academy in Rome, amend—
 - law, 16135
 - report, 14966
 - Conference of State Societies, amend act, report, 9132
 - Federal, consideration, authorization, report, 4601
 - Federal mutual savings banks, legislation, hearings, 15019
 - Georgetown University, amend to clarify corporate name—
 - law, 370
 - report, 4501
 - Organization of American States, protocol of amendment, text, 10703
 - United Nations, amendment—
 - message from the President, 4574
 - report, 9189
- Charts:
- color, slide rule-type, predicts reproduced photo tones, 11436
 - graphic charting techniques for production surveillance, training manual, Defense Supply Agency, 10891
 - handbook of agricultural charts, 17306
 - sold by Superintendent of Documents, price list, 7058
 - strip chart recorder time notation, technique, 12912
 - system simplifies identification of complex design assemblies, 1458
 - see also Maps and charts—Organization charts—also subjects.
- Chase, Helen C., international comparison of perinatal and infant mortality, United States and West European countries, 8659
- Chase, William W.:
- one-room schoolhouse and how it grew, 10938
 - schoolhouses for big cities, 15217
- Chattahoochee River, and tributaries, pollution of interstate waters, conference, proceedings, 2271
- Chattanooga, Tenn., area wage survey, 5062
- Chattanooga shale, see Shale.
- Chaves, Juan F., relief, 10535, 13514, 13762
- Chavez, Dennis, statue, acceptance, proceedings, 4370
- Chayt, G., NELIAC-N computer program to calculate components of earth's magnetic field, 17083
- Che Yim Loh, see Loh, Che Yim.
- Check valves, see Valves.
- Checklists:
- business service, 3069
 - State publications, monthly, 3569
 - see also names of departments, etc., issuing check lists—also subjects.
- Checks:
- and other items, collection, regulation, revision, 14044
 - check-credit plans, development and implications (remarks), 14037
 - Government, delivery to addresses outside U.S., regulations, 8771
- Cheddar cheese, see Cheese.
- Chediak, Antonio B., relief, 309, 593, 867
- Check, Chandler S.:
- laboratory profile of 283 healthy adult males, 7347
 - transmission characteristics of auto-analyzer colorimeter filters, determination, 7352
- Check, Rosemary J., insulin and PAH stability in frozen plasma utilizing improved automated insulin technique, 4185

Cheese :

- and cheese products plants, sanitary standards, military standard, 9376
- cheddar, how to buy, 13226
- good choice for thrifty family, food value, use, recipes, 9335
- laws and regulations affecting cheese industry, summary, errata, 1680

Chetahis Indians :

- Upper and Lower Tribes, disposition of funds—law, 17559
- reports, 13627, 13830, 16291

Chemical analysis :

- body fluids, apparatus for automobile microanalysis, 2646
- instruments, industrial plant equipment handbook, 4673
- iron compounds, shift in Mossbauer spectroscopy standard, 15588
- procedures for metals, alloys, and other materials of research, 9985
- sedimentary rocks in Colorado, Kansas, Montana, etc., 14172
- semiconductors, status of ultrachemical analysis, 11467
- see also Electrochemical analysis—also names of substances analyzed.

Chemical elements :

- minor in alluvial magnetite from Inner Piedmont belt, N.C. and S.C., 8172
- occurrence of selected minor elements in waters of California, 11186
- see also Transition elements.

Chemical equilibrium, see Equilibrium.

Chemical industries, see Chemicals.

Chemical milling, gage of 6.5% Si-Fe sheet chemically reduced, 2624

Chemical reactions :

- bimolecular, in gas mixture, kinetic theory, 6909
- biochemical reactions, ultraweak luminescence accompanying, 14502
- chemical kinetics, effects on exhaust-nozzle performance, computer program for determining, 15575
- iron blast furnace thermochemical reduction zone, developing mathematical model, 14334
- manganese with silica, 6684
- tungsten-cobalt alloys with oxygen at 1,000° and 1,100°K, 14352

Chemical reactors, see Reactors (atomic).

Chemical reference handbook, 15936

Chemical regeneration of emitter surface increases thermionic diode life, 1445

Chemical smoke generator units, and smoke operations, 10260

Chemical warfare :

- defense, Army field manual, 1758
- field CBR collective protection, Army technical manual, 5740
- neuropsychic and neuropsychic (psychochemical) agents, comparison, 8249
- protective clothing, technical manual, 15946
- V-type psychochemical warfare agents, present status, Rumanian study, 4990

Chemicals :

- agricultural, registered pesticides, summary of uses, supplement, 8815
- applicator for precision placement of chemicals in soil, 1673
- benzenoid, imports, 17253
- chemical impurity data on artificial graphite, 18040
- chemical plants, investment and operating costs, bibliography, 14328
- chemical safety data sheet, CDS IS series, 9682-83
- chemical sealing of soils, feasibility study, 17849
- chemicals and chemical products, Federal Item Identification guides for supply cataloging supplements, 3290
- coal, mineral industry survey, 15462

Chemicals—Continued

- compounds, authorized for use under USDA poultry, meat, rabbit, and egg products inspection programs, list, 10878, 16445
- displacement of protons in double-bond, rule for estimating, 12727
- dry fire-extinguishing powders, determining specific surface, permeability and elutriation methods, 11678
- fire retardant, on woody fuels, testing effectiveness developed, 15288
- gas flow in chemical nonequilibrium, numerical integration methods for computing, 15568
- genetic effect when combined with ionizing radiation, mutagenic activity, USSR studies, 2433
- industrial, industry wage survey, 2502
- industry, efficient ways of conducting major repairs, USSR study, 2473
- industry reports, 3092
- inorganic, current industrial reports, 3169, 8939, 10354
- lithographic, military standard, 9377
- marking fish, 4812
- NASA contributions to use of plasma jet technology in chemical processing, 12867
- new industrial, toxicology, USSR study, 11284
- poisonous, properties and uses, USSR study, 12680
- production, all-Union scientific-technical conference for automation, 2454
- products manufacturing machinery, industrial plant equipment handbook, 7851
- quality of surface water in Allegheny River basin, Pa. and N.Y., 8180
- range weeds control, handbook, 4102
- reference handbook, field manual, 15936
- research in atmosphere purification and control on nuclear-powered submarines, annual progress report, 17084
- residues in milk removed from commercial market, indemnity payments to dairy farmers, extend—law, 16140
- reports, 14981, 15088
- role in chemical processing in national economy of Hungary, 1233
- rubber-processing chemicals, production and sales, 15807
- treatment of slash decomposition, laboratory tests fail to confirm acceleration, 8086
- USSR industrial development, translations, chemical industry and machinery, 4016
- weed control in 2-year old walnut planting, 14098
- yield determinations in radiochemistry, 13331
- see also Organic compounds.

Chemistry :

- aluminum in natural water (series), 15313
- analytical—Bulgaria and abroad, current status and prospects for development, 1231
- instrumentation, survey, 16933
- meeting, Oct. 7-8, 1965, Albuquerque, N. Mex., proceedings, 5766
- applied, Soviet research, 4979
- automated, continuous flow, in-line fractionation and exchange of volatile solvents, 75
- carbon compounds, classification definitions, 18133
- chemical nature of organic matter in waters of major rivers in USSR, 9614
- chemical physics, problems, USSR study, 11257
- clinical, laboratory procedures, 10221
- Communist Chinese abstracts, 3116
- crystal, role of Bulgarian scientists, 1159
- East European abstracts, 3218
- educational activities, USSR studies, 1341

- Chemistry—Continued**
fertilizers, pesticides, and salts, research, USSR study, 15350
Journal of research, National Bureau of Standards, 3458
macromolecular, electron spin resonance research conducted in Hungary, report, 11256
noble gases, 17408
physico-chemical modeling of information and thought processes, USSR study, 1272
reconnaissance of surface waters quality of Neches River basin, Tex., 17830
requirements of food additive petitions, FDA guidelines, 2285
USSR abstracts, 4026
see also Cytochemistry—Geochemistry—Histochemistry—Organic chemistry—Physical chemistry.
- Chemists:**
examination announcement, amendment, 4388
FDA chemist, career information, 11093
pay, national survey, 2507
- Chemosterilants:**
house fly, materials evaluated at Orlando and Gainesville, Fla., 14736
to control bark beetles, 14108
- Chemotherapy:**
cancer abstracts (periodical), 3075
cancer chemotherapy development in Soviet Union, 17878
cancer chemotherapy reports (periodical), 3076
- Chen, Li Tsu (Nako), relief, 774**
- Chene Bayou:**
engineer report—
departmental edition, 15224
document edition, 14930
- Chepachet quadrangle, R.I., bedrock geology, 16885**
- Cherkinskiy, Samuil N., honored, USSR article, 8252**
- Chernick, Cedric L., chemistry of noble gases, 17408**
- Chernock, W. P., UO₂ fuel systems for water reactor applications, 8902**
- Cherokee Indians:**
Chillicothe Indian School lands—
convey to, report, 15122
hold in trust, report, 13632
Eastern, enrollment records, pamphlet accompanying microcopy, 18072
Oklahoma, Muskogean charm songs, 6973
- Cherries:**
growing, east of Rocky Mountains, 5628
marketing orders, amend law, 13693
marketing orders for freezing and canning, issuance without approval of processors, hearing, 712
production, use, value, by States, 14695
pruning open-grown black cherry, 17803
- Chesapeake Bay:**
additional bridges and tunnels across or under, Maryland to construct, etc., report, 16273
fisheries, 1965 annual summary, 9504
storm warning facilities chart, 14720
- Chestnut oak, see Oak.**
- Cheyenne County, Colo., Big Sandy Creek Valley, geology and ground-water resources, 11191**
- Cheyenne Indians:**
convey certain federally owned lands to, report, 12835
judgment funds, disposition, reports, 15007, 15118
- Chi-Spalding method, see Spalding-Chi method.**
- Chiang, C. L., variance and covariance of life table functions estimated from sample of deaths, 8657**
- Chiarappa, Daniel, analysis and design of space vehicle flight control systems, 12874**
- Chiavette, Kenneth J., wildlife review, 4068**
- Chicago, Ill.:**
area, sonic-boom measurements during bomber training operations, 1481
area wage survey, 14293
Board of Trade, futures trading and open contracts, 3368
fresh fruit and vegetable prices, 10203
Mercantile Exchange, futures trading and open contracts in eggs and butter, 3369
war on poverty, examination, hearings, 17665
wholesale food distribution facilities, 7278
- Chicago, Burlington and Quincy RR., accident, 11238**
- Chicago Sanitary and Ship Canal, Willow Springs and Sag Junction diversions, hydraulic model investigation, 10962**
- Chickens:**
broilers, commercial production, etc., 8848, 11875-876
broiler industry, economic study of structure, practices and problems, 17103
brooding, with infrared lamps, 15857
egg-type hatcheries, costs and economics of scale, 5649
frying, prices and price spreads in 12 major cities, 11943
home flock, 10178
layers and egg production, 10107
monthly egg production, 5684
national improvement plan, ROP candidate flocks and list of breeders, etc., 7243
number raised, 14694
production, disposition, cash receipts, gross income, 8848, 11875
pullet chicks for broiler hatchery supply flocks, 3787
tested by official State agencies, monthly report, 3981
- Chicopee, Mass., housing discrimination, report, 4385**
- Chicot, Lake:**
improvements, engineer report—
departmental edition, 17731
document edition, 17568
- Chicot County, Ark., soil survey report, 11813**
- Chidake, Myer R., starting and managing carwash, 15733**
- Chiggers, how to fight them, 4114**
- Child care, see Children.**
- Child development, see Children.**
- Child health, see Children.**
- Child labor:**
bulletin, 8785
Kirgiz cotton and tobacco fields, article deprecates use of children, USSR study, 1172
laws, State, summary, 5047
- Child placing:**
District of Columbia, foster home care, provide, report, 16383
foster care, national trends, etc., 10401
Child welfare, see Children.
- Child welfare institutions:**
cost analysis project, analyzing time, costs, and operations, 7231
public, for delinquent children, personnel and personnel practices, survey, 4367
residential, in United States, number and kinds, 13415
- Childbearing, see Pregnancy.**
- Childers, Ralph E., manual of procedures and methods for calculating costs of desalting and conventional water systems, 12645**
- Children:**
aid to families with dependent children, Gary, Ind., 13435
assessing feasibility of mother's employment and adequacy of child-care plans, criteria, 13414
beautiful junk, inexpensive materials for preschool program, 17709

INDEX 1967

Children—Continued

born abroad, U.S. citizenship, count employment of parent by U.S. Government as physical presence requirement—
law, 474
reports, 678, 876
busing school kids to suburbs, 10928
child abuse reporting laws, tabular view, 7511
child care services, working mothers and need for, 10144
child development center, daily program, manual for teachers, 15204
child nutrition act of 1966—
closing nutrition gap, 15871
law, 373
report, 663
child nutrition act of 1966, amend, hearings, 9139
child protection act of 1966—
hearings, 2112
law, 466
child welfare statistics, 1896, 16043
childhood leukemia, pamphlet for parents, 18157
children in hospital, planning for, 11758
children of divorced or separated parents, income tax support test—
law, 16134
reports, 2022, 2099, 7693, 15091
day care and working mother, magnitude of problem on national scale (talk), 11908
daytime programs, basic goals and common elements, 4363
deceased veterans, liberalize payments, law, 443
dependent, aid to families—
protective payments, report, 9060
tables on percent of basic needs met, 17196
dependent, of unemployed parents—
aid to families, 3988
Ohio, work registration under Federal State aid, Welfare Administration, GAO review, 11157
dependent, public assistance, families, money payments, 4751
dependents of Defense Dept. personnel, overseas air transportation, GAO review, 9545
deprivation, changing course of familial retardation, 8966
disadvantaged—
education, bibliography, 4709
Head Start child development programs—
how to apply for, instructions, 6163
manual of policies and instructions, 16483
Head Start child development programs—
physician's role, 6165
points for parents, 10912
national conference on education, 1008
school programs under ESEA grants, 1968 application forms, instructions, 16503
summer camp, opportunities, expand, hearings, 15024, 15171, 16427, 17601
summer education, 4720
District of Columbia, census, amend act, report, 16378
District of Columbia uniform gifts to minors act, permitting deposit in savings and loan associations, etc., report, 13639
education in federally affected areas, annual report, 6175
education, prekindergarten, New York State's program, 13962
exceptional, research programs, studies in progress, 8967
facts and figures, 7515

Children—Continued

fair labor standards act provisions, guide, 8785
Federal aid programs relating to welfare and health, social security amendments of 1967—
hearings, 15154, 16409
reports, 14953, 14964
summary, 15053
feeding child with a handicap, 13416
foster care, national trends, etc., 10401
grouping related to pupil learning, survey of research, 4721
handicapped—
education, grant program for preparation of professional personnel, 7897
manual, 16508
education, State plan programs, guidelines, 10933
military medical benefits act of 1966—
law, 365
report, 664
helping parents teach young children, note to agents, 4763
homemaker service, how it helps children, 7512
Indian, education, etc., study, authorization, report, 15137
interdisciplinary journal for professions serving children, 3093, 14840
lead poisoning, 16042
mentally retarded, clinical programs, listing, 5905
mentally retarded or physically handicapped, of members of Armed Forces, use of private facilities, report, 14941
minors employed in agriculture under fair labor standards act, as amended in 1966, what crew leaders, etc., should know, 16132
needy families with children in Cleveland, etc., federally assisted aid program, study, 4386
Nick the cigarette is nobody's friend, 1895
nursery-kindergarten enrollment under G, 10937
nutrition, statutes, compilation, 7262
old-age beneficiaries of social security, relationship of child beneficiaries, 1603
pediatrics, Indian Health Division residency program, 1570
pediatrics, pneumodensography and tachoscilligraphy application, 12748
pediatrics session, USSR Academy of Medical Sciences, report, 2461
physical abuse, mandatory reporting by physicians, etc., in D.C., law, 479
preschool, nutritional status, suggested guidelines for evaluation, 17444
protection under Federal hazardous substances act, 12552
research programs, studies in progress, 8967
Rumanian Socialist Republic, health protection problems, 15361
school boys and girls, measure before you buy used clothes, 7284
schoolchildren, transportation in D.C. at reduced fare, increase age, report, 16380
so habla espanol, help for Spanish-speaking youngsters, 13964
small, rescue breathing, general information, 5461
sons and daughters of deceased or disabled veterans, assistance, eligibility, etc., 17285
special milk program, extend—
law, 373
report, 663
welfare and health programs under social security, amend act, hearings, 7763, 10684
welfare recommendations, message from the President, 5999

Children—Continued
 who need protection, bibliography, 1892
 who will open this child's eyes, VISTA
 opportunity, 15208
 widows with children under social security,
 survey, 2869
 working women and day care needs, consul-
 tation, preliminary report, 15820
 your child from 3 to 4, 7514
see also Child labor—Children's litera-
 ture—Children's homes—Cripples—Day
 care of children—Juvenile delinquency.

Children's Bureau:
 publication series, 1894-95, 4365-66, 5906,
 7512-15, 8966, 10403, 13416, 16042
 publications, price list, 11713
 statistical series, 185, 1896, 4367, 12091,
 16043

**Children's homes, children's residential in-
 stitutions in United States, number and
 kinds, 13415**

Children's literature:
 children's books, 1966, list, 6622
 guide to reference sources, 5085
 Library of Congress, national reference
 library of children's books, 2532

**Childs, G. E., viscosity and thermal conduc-
 tivity coefficients of dilute nitrogen and
 oxygen, 5293**

Chile:
 Chilean microlepidoptera, description by
 Emilio Blanchard, 6970
 establishing business, 1943
 foreign trade regulations, 17482
 gazetteer, official standard names, 8152
 market for U.S. products, 2417
 mineral industry, minerals yearbook chap-
 ter, 12799

**Chillicothe, Ohio, see Federal Reformatory,
 Chillicothe.**

Chilocco Indian School:
 Indian School journal (periodical), 3418
 lands, held in trust for Cherokee Nation,
 reports, 13632, 15122

Chimes, see Carillons.

**Chimneys and fireplaces, construction, de-
 sign, etc., 8825**

Chimpanzees:
 normal immature, under restraint, physio-
 logic values, 7351
 physiological analysis of so-called foresight
 in chimpanzee, USSR study, 1306

Chin Shee Shiu, see Shiu, Chin Shee.

China:
 climate, characteristics, classification, etc.,
 12686
 coast, sailing directions, change, 15630

Communist—
 claims of U.S. nationals against regime,
 determination—
 law, 484
 report, 897

**Committee of Fishery Research of West
 Pacific, 7th plenary conference, 9626**

**cultural revolution as seen by Alberto
 Moravia, 16736**

digest, 3113

**economic profile of mainland China,
 5974, 7588**

print additional copies, report, 10587

economy, translations, 3950

education in Mao's China, 999

**geomorphology meeting, Chinese geo-
 graphical conference, 1965, collected
 works, 11255**

**great leap backward, economic problems,
 USSR view, 16780**

in world economy—
 hearings, 10493
 report, 12389

law, selected legal sources, guide, 11338

China—Continued

Communist—Continued
 mineral industry, minerals yearbook
 chapter, 5115

**Mao Tse-tung's anti-economism cam-
 paign idealizes poverty in China,
 USSR historian claims, 6582**

**Mao's cultural revolution, review by
 USSR's Literary gazette, 12760**

**nuclear weapons progress, impact on
 U.S. national security, report, 13542**

**political and sociological translations,
 3951**

Red Guard press information, 14249

**science and technology, translations,
 3952**

scientific abstracts, 3114-23

**Sino-Soviet conflict implications, report
 and hearings, print additional copies,
 report, 2029**

**visit described by USSR journalist,
 6583**

**foreign relations of U.S., diplomatic papers,
 China, 1944—**
 departmental edition, 13140
 document edition, 12192

loess soil, collected works, 5000

Republic—
 atomic energy, cooperation for civil uses,
 agreement, 2929
 background notes, 11819
 loan of additional destroyer, report,
 16271
 loan of vessel, agreement, 15790
 loan of vessels, extension, agreement,
 15791
 maritime matters, liability during pri-
 vate operation of N.S. Savannah,
 agreement, 15799
 trade in cotton textiles, agreement, 2890

China Sea, see South China Sea.

Chinaware, see Tableware.

Chincoteague National Wildlife Refuge:
 general information, 9517
 mammals, list, 2277

Chinese:
 artists, traditions, cultural revolution and
 Red Cross, transcript of conversation
 by Soviet sculptors L. Ye. Kerbel' and
 L. D. Muravin, 4948

**Chinese postgraduate students at Voronezh
 State University, living and study con-
 ditions, 4954**

cooly trade laws, repeal, report, 7684

**Chinese gooseberries, tariff classification,
 amend, reports, 7699, 15105**

Chinese language:
 Chinese dictionaries in all languages, list,
 7144
 grammar for component combination in
 Chinese characters, 5289

**Chinese Turkistan, journey to Kashgariya
 by Mikhail Vasil'yevich Pevtsov, 15426**

Ching-chi yen-chiu (periodical):
 translations, 3944

Chinn, Kenneth S. K.:
 effects of diet and altitude on body com-
 partments of rats, 10295
 urinary creatinine excretion as index of
 fat-free mass composition in rats, 7415

Chippewa Indians:
 judgment funds, disposition—
 law, 16139
 reports, 15113, 16237

**land tenure of Rainy Lake Chippewa, be-
 ginning of 19th century, 6974**

**Chiricahua National Monument, Ariz., gen-
 eral information, 14549**

**Chiropody, regulating practice of podiatry
 in D.C., amend act, report, 7691**

Chirotenithidae, see Squida.

Chisholm, L. J.:
 report of 51st National Conference on
 Weights and Measures, 11583

**units of weight and measure, interna-
 tional metric) and U.S. customary,
 9941**

- Chitons and gastropods (Haliotidae through Aedeoidea) from western Pacific Islands, 4890
- Chizhevskiy, A. L. :
biography, 2480
space biology pioneer, 12737
- Chlorates, candle as concentrated oxygen source, 14410
- Chlorella :
mineral nutrient requirements of *Chlorella sorokiniana* in continuous pure culture, 14779
thermophilic, optimal temperature regimes, USSR study, 1265
- Chlorides :
human serum, estimation of change during simulated altitude and aerospace flights, 7341
recovery of manganese as chloride from ores and slags, one-step operation, 11369
- Chlorinated hydrocarbons, *see* Hydrocarbons.
- Chlorination process produces chlorinated aromatic isocyanate in high yield, 6808
- Chlorine :
effect of gamma radiation on reaction of anthracite with fluorine and chlorine, 2585
electrochemical reduction, on carbon in molten lithium chloride-potassium chloride, 17003
- Chloroform, extractions of coals and chars, 12826
- Choate, Grover A., New Mexico's forest resource, 2335
- Chocolate, *see* Confectionery.
- Cholame, Calif., earthquakes of June-Aug. 1966, surface geologic effects, etc., 9574
- Cholera, *see* Hog cholera.
- Cholesterol serum, levels of adults, 8661
- Cholinesterase :
activity, automated method for assay in detection of mild poisoning by pesticides, 13351
activity of digestive trace, influence of tolbutamide, Rumanian study, 1261
inhibition, determined following oral feedings of Zectran to mice, 16657
selective inhibition of nonspecific cholinesterase by some 0,0-dialkyl-S-alkylthiophosphates, USSR study, 15402, 16733
- Cholinolytic drugs, effect on biologically dissimilar motor reflexes in monkeys, USSR study, 9641
- Chonistomatidae, *see* Crustaceans.
- Chorioretinal, lesions, produced by thermal radiation, study, 10231
- Christal, Raymond E., selecting a harem and other applications of policy-capturing model, 15893
- Christensen, Edward L. :
food stores, 7112
voluntary and cooperative food chains, 10077
- Christensen, J. J., feasibility study on utilization of waste brines from desalination plants, 14196-197
- Christensen, Jay V., midcourse navigation using statistical filter theory, manual theodolite, and symbolic computer control, 6905
- Christmas, 5-cent commemorative postage stamp (poster), 17112
- Christmas Island, *see* Australia.
- Christmas trees :
development of plantation of high quality true fir trees, 2292
tradition and trade, 13216
- Chromates, common names, shipping containers, etc., technical reference, 9735
- Chromatographs :
gas, cold trap increases sensitivity, 5206
gas-liquid mass spectrometer, duty-free entry for American Cancer Society, 13775, 14901
- Chromatography :
determination of phenoxy acid herbicides in water by electron-capture and micro-coulometric gas, 15312
gas, absolute entropies prediction from gas chromatographic retention data, 18111
gas, accurately determines trace hydrazines in aqueous solutions, 15550
gas chromatographic column enables analysis of propellant hydrazines, 2681
gas chromatographic-mass spectrometric methods of analysis, review, 13033
gas, trace contaminants contained in samples from closed environment at 258 mm.hg, analysis, 10234
paper, electronic circuitry used to automate, 12918
thin-layer—
microscope slide loader for laboratory use, 13272
use for cleanup and confirmation of identity of pesticide residues, 13200
use for identification of aircraft engine oil components, 11674
- Chromite, recrystallization of chrome spinel, 9775
- Chromium :
alloy liners for small arms barrels, soundness requirements, military standard, 9378
iron alloys, preparation, 5364
mineral industry survey, monthly, 3094
vanadium-base chromium alloys, properties, 9780
- Chromosomes :
popular description and animal transplant experiment, USSR study, 1307
rearrangement, effect of virus, USSR study, 4963
- Chronic diseases, *see* Diseases.
- Chronology, National Capital Transportation Agency, 6925
- Chrysanthemums :
growing in home garden, 13224
production and sales, etc., 10108
- Chrysler Corporation :
adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Adjustment Assistance Board, 10114
- CINDA, improved numerical differencing analyzer program, 15546
- wage chronology, 14285
- Chrysomelids, *see* Beetles.
- Chrysotile, *see* Asbestos.
- Chu Chai-Ho Hay, relief, 12228
- Chugging, analysis, effect of propellant-feed-system coupling and hydraulic parameters, 11491
- Chukchi Sea, euryhaline copepod genus *Eurytemora* in waters, 6943
- Chun Moon Hee (Hi), relief, 826
- Chung, Kil Ja, relief, 9227
- Church, Frank, United Nations at 21, 7810
- Churches, *see* names of churches.
- Chute, Newton E., geology of Norwood quadrangle, Norfolk and Suffolk Counties, Mass., 6389
- CI series, 14650
- Cicadas, periodical cicadas, 17-year locusts, 33
- Cicadellidae, *see* Leafhoppers.
- Cicadelloidea, catalogue, 12
- Cider, apple, making and preserving, 13222
- Cigarettes :
Nick the cigarette is nobody's friend, information for the young, 1895
smoking and health characteristics, statistics, 10067
smoking, chronic bronchitis and emphysema, 5424

Cigars:

- Federal excise tax—
structure, report, 4565
- treatment of State and local taxes for
computing, report, 9091
- Clia, structural organization and biochemical
basis of movement, USSR study, 12696
- Cincinnati, Ohio, area wage survey, 12769
- CINDA, Chrysler improved numerical differ-
encing analyzer computer program, 15546
- Cini, Marcello, Italian physicist, in North
Vietnam tells of culture and civilization
as bombs fall, 12699
- Circuit breakers, *see* Electric circuit break-
ers.
- Circuit Courts of Appeals, uniform civil ap-
pellate rules, law, 477
- Circuit judges, *see* Judges.
- Circuits:
analog, for 2-dimensional distributed elas-
tic structures, 5169
- asynchronous, sequential, algorithm for
synthesis, 1473
- automatic, calibration of flowmeter against
liquid-level gage reference, 17986
- circuit prevents overcharging of secondary
cell batteries, 1471
- closed circuit TV system monitors welding
operations, 12893
- collector/collector guard ring balancing
circuit eliminates edge effects, 2673
- communication, spare Government-owned
in Europe, use by Defense Dept., GAO
report, 10672
- computer program detects transient mal-
functions in switching circuits, 9826
- control, ensures solar cell operation at
maximum power, 9832
- digital system provides superregulation of
nanosecond amplifier-discriminator cir-
cuit, 5147
- electronic circuit delivers pulse of high
interval stability, 2636
- electronic circuitry used to automate
paper chromatography, 12913
- electronic, handbook, change, 2853
- electronic, NASA report, 5193
- electronic, provides accurate sensing and
control of dc voltage, 8396
- embedment and other metallurgical and
mechanical characteristics of cross-
wire resistance welds, 2698
- fluid logic control circuit operates nutator
actuator motor, 6759
- heater control, provides both fast and
proportional control, 11445
- heterodyne phase shifter with calibrated
phase shift, design and construction,
16977
- improved fluid control, operates on low
power input, 9827
- increase capability of hysteresis syn-
chronous motor, 11440
- integrated devices, high reliability screen-
ing, 9800
- limit, prevents overdriving of operational
amplifier, 17925
- linear ac electrical and electronic circuits
for steady-state conditions, computer
programs for numerically analyzing,
16962
- linear, analysis program for IBM 1620
Monitor II, etc., 15325
- logic circuitry used to automatically test
shielded cables, 6819
- memory, bipolar current driver, 2627
- micropower logic, improved, 14461
- monitoring, accurately measures move-
ment of solenoid valve, 2676
- multiple meter monitoring, served by
single alarm, 17980
- one-count memory circuit prevents ma-
chine mode interaction, 6097
- one-transistor circuit boosts pulse ampli-
tude, 1464

Circuits—Continued

- overcurrent protection provided for push-
pull amplifier, 16948
- point-source light sensor, insensitive to
background light, 2637
- power, optimum stepped-wave output in
3-phase single-way static inverters,
10008
- preregulator feedback circuit utilizes light
actuated switch, 2663
- printed, terms and definitions, military
standard, 16465
- process produces accurate registry be-
tween circuit board prints, 8476
- sensitive bridge circuit measures con-
ductance of low-conductivity electrolyte
solutions, 16880
- SiC/Si diode trigger circuit provides auto-
matic range switching for log amplifier,
17957
- silicon integrated, improving contact
bonds, 16965
- solid state circuit averages multiple sig-
nals and rejects those varying signifi-
cantly from the average, 15492
- solid state, controls direction, speed, and
braking of dc motor, 1467
- solid state, switches ac load, 1462
- strain gage circuitry provides fatigue
testing machine with accurate cycle
count, 11391
- Subminiature deflection circuit operates
integrated sweep circuits in TV camera,
11479
- suppression techniques evaluated, 1451
- switching-type regulator circuit has in-
creased efficiency, 12910
- trigger circuit multiplies pulse width
modulation, etc., 9828
- triple modular redundancy computer
operation improved, 9848
- univibrator, modified, compensates for
output timing errors, 12834
- variable-pulse switching circuit controls
solenoid-valve actuations, 8456
- Circulars, *see* names of departments, etc.,
issuing circulars.
- Circulation of blood, *see* Blood—Pulmonary
circulation.
- Circulatory system, *see* Cardiovascular sys-
tem.
- Cirrus clouds, *see* Clouds.
- Cirugía de emergencia en guerra, manual
de la OTAN, 9366
- CISR, *see* Center for International Systems
Research.
- Cities and towns:
airport influence on community economy,
14786
- American city, rediscovery (address),
16716
- Americans at home, volunteer program of
local communities, 10126
- aviation demand and airport facility re-
quirement forecasts through 1980 for
large air transportation hubs, 15904
- building a better America, 16709
- building communities with new jobs, 2159
- campus and community (address), 15210
- challenge of our cities (addresses), 15317
- cities are people, too (remarks), 12993
- cities in crisis, the challenge of change,
16133
- cities on the move, HUD's urban transpor-
tation programs help urbanites move
into 21st century, 17837
- city and the city university (address),
11196
- city government finances, 13399
- city worker's family budget for moderate
living standard, 17894
- clean air for your community, 2809, 11722
- communities and youth, commitment to
opportunity (address), 17839

INDEX 1967

Cities and towns—Continued

communities in action, war on poverty, 3124-25
 communities of tomorrow (address), 15834
 community action program pamphlet series, 2163-67
 community care of mentally ill, annotated bibliography, 1590
 community improvement, workable program, guide for citizens advisory committees, 9579
 community service and continuing education, newsletter, 3126
 comprehensive care services in your community, 5426
 consumer expenditures and income 1960-61—
 total urban and rural, tables, 2494
 urban, tables, 2492
 consumer price index, city average, 3143
 cooperative ventures in urban America, urban development intergovernmental awards program, 14187
 cooperatives and rural-urban balance (remarks), 13220
 creative federalism in the city (address), 16707
 creek and the city, urban pressures on natural stream, Rock Creek and Washington, D.C., 4913
 data book, 1967—
 departmental edition, 12041
 document edition, 12201
 demonstration cities act, model neighborhoods, 6430
 demonstration cities and metropolitan development act of 1966—
 law, 465
 summary, section-by-section analysis, legislative history, and conference report, 725
 title 1, program guide, 4909
 demonstration city program and architect (address), 2735
 differential assessment of farmland, experience in Maryland, 17712
 economic environment and urban development (paper), 13929
 EDA program for building communities with jobs, 13928
 EDA program to help build communities with jobs (address), 17708
 facilitating air-truck movements for smaller community (remarks), 17447
 Federal beautification program, questions and answers, 4902
 Federal-local relationships in model cities program (remarks), 2379
 financial institutions and urban rehabilitation (remarks), 16590
 first-rate cities, first-rate schools (address), 12464
 goals for urban America (address), 17022
 health, securing in our urban future, 7091
 housing and urban development, Federal programs, progress report, 9309
 housing units authorized in metropolitan areas, construction reports, 8937
 impact of pollution abatement regulations on municipalities (address), 1580
 improving quality of urban life, program guide, 4909
 large scale maps for city, construction, and technical planning, requirements, 4981
 local-service airline passengers, letter to mayors, 3937
 location, etc., of segments of Interstate highway system, GAO report, 15299
 major metropolitan areas, crime and law enforcement studies, 13060

Cities and towns—Continued

mass transportation amendments of 1966, reports, 620, 628
 mass transportation program, emergency provisions, temporary extension—
 law, 13522
 reports, 12388, 13634
 metropolitan America, challenge to federalism, study by Advisory Commission on Intergovernmental Relations, 2048
 print additional copies, reports, 10590, 10785
 metropolitan areas—
 households with UHF and color television sets, current housing report, 15989
 occupational earnings and wage trends, 16830
 population, provisional estimates, 177, 16013
 standard statistical list, with population, 17438
 standard statistical, titles and definitions, 10326
 statistics, 16032
 metropolitan development and budgeting, step toward creative federalism (remarks), 16714
 metropolitan planning program relationships to air resource management, 13084
 metropolitan population, marital and family characteristics, 10360
 microorganisms in 2 types of air masses at 690 meters over a city, 66
 model cities, housing and renewal programs (speech), 6436
 model cities program, educational dimensions (remarks), 11198
 model neighborhoods and demonstration cities (address), 2386
 monetary policy and municipal finance (remarks), 9494
 motor vehicle abandonment in U.S. urban areas, 7451
 Neighborhood Youth Corps in inner-city, 14729
 occupational earnings and wage trends in metropolitan areas, 11334, 17899
 planning, programming, budgeting system (remarks), 17842
 police and community, dynamics of their relationship in changing society, President's Commission on Law Enforcement and Administration of Justice, 13061
 poverty, recommendations, message from the President, 7612
 President's programs for combatting Ghettois (address), 16094
 private enterprise and the city (address), 9580
 programs for better cities (address), 16715
 rehabilitation agency and community work, source book for professional training, 7222
 rural-urban balance (address), 7280
 schoolhouse in the city, 13963
 schoolhouses for big cities, 15217
 science and the city, 6432
 small business problems in smaller cities and towns, hearings, 10678
 small business problems in urban areas, report, 4512
 social requirements for urban design (address), 11209
 soil surveys, community planning and resource development, report, 2083
 standard metropolitan statistical areas, estimates of population, 14831
 teachers, long-term trends in urban compensation, 5080
 transit usage, modal split, documentation of methods for estimating, 7100
 transportation, improvement (remarks), 9583

Cities and towns—Continued
 transportation planning programs, urban-
 ized area, directory, 17175
 urban affairs, selected readings, 8200
 urban affairs, study, expenses, reports,
 4594, 4625
 urban America, goals and problems, mate-
 rials, compilation, 14921
 urban and industrial health, environ-
 mental health series, 15683-684
 urban areas—
 beautification aids as provided under
 housing and urban development act,
 6415
 Denver, Colo., mineral aggregate indus-
 try, impact of urbanization, 6637
 urban housing market analysis, 11205
 urban planning assistance program, report,
 3823
 urban research study centers, directory,
 14919
 urban studies, Cleveland, 4386
 wage indexes, long term trend data for
 selected occupations, 5059
 wage trends for occupational groups, 17901
 wages and related benefits—
 occupational earnings, supplementary
 practices, 5056, 16814
 United States and regional summaries,
 14284
 zoning in Appalachia, suggestions, 7884
see also Redevelopment (city planning,
 etc.)—*also* subjects.
 Citizens' Advisory Committee on Recreation
 and Natural Beauty, general information,
 8616
 Citizens Advisory Council on Status of
 Women, annual report, 15323
 Citizens of United States:
 advisory committees for workable program
 for community improvement, guide, 9579
 citizen abroad, tax guide, 2414
 customs hints for returning residents,
 10882
 facts, from recent Census Bureau surveys,
 7491
 marriage documentary requirements in
 Italy, agreement, 15767
 Citizenship:
 becoming a citizen series—
 our American way of life, 11211
 our Government, 12630
 our United States, 12629
 Canal Zone, authorize issuance of certifi-
 cates—
 law, 424
 report, 923
 citizenship and strawberry jam, FDA's
 protective role in food industry, etc.,
 15272
 Federal textbooks on citizenship, 11211,
 12629-632, 14190-191, 15320, 17844
 periods spent abroad in employment of
 U.S. Government, etc., to count as
 physical presence requirement—
 law, 474
 reports, 678, 876
 publications, price lists, 10040, 15672
 Puerto Rico, 50th anniversary, report,
 9263
see also Naturalization.
 Citizenship Day, bulletin, 14189
 Citrus fruit:
 consumer purchases of fruit, juices, drinks,
 and other products (periodical), 3145
 foreign agriculture circulars, 3345
 production, use, value, by States, 1909-10,
 1965-65, revised estimates, 5679
 quality evaluation of U.S. grown, in Euro-
 pean market, 5616
 City planners, urban planner, examination
 announcement, 12115, 13444
 City planning, *see* Redevelopment (city
 planning, etc.)

Civics:
 national defense education act—
 financial assistance guidelines to
 strengthen instruction, 13956
 institutes for advanced study, handbook
 for directors, 1003
 loans to private nonprofit elementary
 and secondary schools for equipment
 and materials, 1007
 Civil Aeromedical Research Institute, aero-
 medical research facilities, acquisition and
 use, Federal Aviation Administration,
 Transportation Department, GAO review,
 8139
 Civil Aeronautics Board:
 annual report, 5907
 applications, etc., filed with CAB, 3034
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131
 career opportunities for—
 accountants, economists, and transpor-
 tation analysts, 17448
 attorneys, 16045
 functions (remarks), 8974
 functions, etc., 8969
 history and role in Federal regulatory
 scheme of air transportation (remarks),
 1899
 letter to mayor of each city with local air-
 line service (periodical), 3937
 little blue book of aeronautical statutes
 and related material (remarks), 8971
 orders, economic E series, 3661
 organization (remarks), 7522
 press releases, 3709
 procedural regulations, 7520
 publications, list, 5908
 regional air cargo workshop (periodical),
 3813
 regulations, 188, 3815, 5910, 7521, 12095,
 14841, 16048
 economic, ER series, 3228
 reports, economic and safety enforcement
 cases, 187, 16046
 cumulative index-digest, 8970
 responsibilities for economic regulation
 and promotion of air transportation (re-
 marks), 1900
 transfer—
 law, 389
 report, 906
 United States air carriers, list, 5909, 13417
 weekly summary of orders and regulations,
 4059
 Civil affairs:
 joint manual, Army field manual, 4209
 military assistance to civil authorities,
 7383
 Civil Air Patrol, air reservist (periodical),
 3011
 Civil aircraft, *see* Aircraft.
 Civil aviation, *see* Aeronautics.
 Civil defense, *see* Civilian defense.
 Civil Defense Office:
 annual report, 7524
 annual statistical report, 8976
 civil defense management course, self
 teaching materials, nuclear weapons
 effects, 13427
 FG series, 4382, 5914-15, 13424, 17450
 handbook series, 5916, 13425, 14843,
 16050-52, 17451
 information bulletin, 3420
 labor courses, references, 14845
 leaflets, 10407, 16053
 miscellaneous publications MP series, 196-
 198, 1903, 4383, 7527, 8980, 12098,
 13426, 14844-845, 16054-55, 17452
 publications index, 196, 7527
 student manual SM series, 1905, 7528,
 14846, 16058-57
 technical report, 4384, 5917, 7529-30,
 8981, 14847, 16058-60
 Civil disturbances, *see* Riots.

INDEX 1967

Civil engineering :
 general, maintenance and operation of electric power generating plants, Air Force manual, 8855
 planning and programming, Air Force manual, 1727
 research of TVA Engineering Laboratory, 17260
 Civil Engineering Institute, Brest, see Brest Civil Engineering Institute, USSR.
 Civil engineers :
 Air Force civil engineer (periodical), 3008
 Navy civil engineer (periodical), 3613
 Civil Engineer Corps, Navy :
 100th anniversary—
 booklet, 6993
 memo, methods, materials, booklet, 14564
 commemorative medal, law, 487
 Civil liabilities, soldiers' and sailors' civil relief act of 1940 and amendments, compilation, 1994
 Civil procedure :
 civil action venue amendment, law, 428
 judicial and extrajudicial documents in civil or commercial matters, service abroad, convention—
 message from the President, 6060
 report, 7774
 judicial procedure, agreement with Sierra Leone, 7156
 temporary transfer to single district for coordinated or consolidated pretrial proceedings pending in different districts which involve one or more common questions of fact, hearings, 2054
 U.S. Courts of Appeals, uniform civil appellate rules, law, 477
 Civil rights :
 act of 1964—
 compliance officers manual, procedures under title 6, 1906
 cutoff of welfare funds to Alabama, hearings, 6096
 interpretations issued, etc., by Equal Employment Opportunity Commission, digest, 3205
 act of 1966, report, 4498
 act of 1967, message from the President, 12199
 administration of justice in Starr County, Tex., 13433
 Civil rights and housing, hearings, 17641
 civil rights and race relations, seminar, 2879
 civil status, women, 1966 State legislation, highlights, 11910
 employment, administration of justice, and health services in Memphis-Shelby County, Tenn., report, 14851
 housing and urban renewal in Nashville-Davidson County metropolitan area, 12099
 housing, education, etc., hearings before Civil Rights Commission, 10408-409
 human rights conventions, hearings, 7806, 16410
 Interference with, penalties, amend U.S. Code—
 hearings, 17658
 reports, 12283, 14951
 movement, implications for human development, 2879
 nursing homes and title 6 of act of 1964, 1584, 13183
 prose, poetry and black power (address), 9407
 questions and answers, guide, 10913
 school desegregation, guidelines, hearings, 4548
 school desegregation plans, revised statement of policies, 2190
 sex discrimination in employment, Federal and State laws, 17295
 status of Spanish-speaking Americans in Kleberg, Nueces, and San Patricio Counties, Tex., 14848

Civil rights—Continued
 veterans, State laws, digests, 16345
 see also Privacy.
 Civil Rights Commission :
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 reports, 10616, 16372
 Clearinghouse publications, 8982, 14849-850
 extend—
 hearings, 17658
 report, 13648
 hearings, 10408-409
 statement by Owen B. Kierman, 14853
 press releases, 3710
 racial isolation in public schools, report, 5918
 Civil service :
 adverse action, law and regulations, FPM manual, supplement, 3300
 career opportunities :
 chemists, 11093
 Defense Contract Audit Agency, auditors, 9365
 Defense Dept., professional auditing, 4683
 Federal Power Commission, 4779
 Food and Drug Administration inspectors, 11094
 Immigration and Naturalization Service immigration patrol inspector, 10435
 Internal Revenue Service, 2399
 legal careers, 13447
 medical auxiliaries, etc., 17455
 microbiologists, 11096
 National Aeronautics and Space Administration, 1909, 7536, 11574
 headquarters management intern program, 6729
 personnel, budget, administrative careers in Federal agencies, 10431
 professional nurses in Federal Service, 1917, 17456
 scientific, in Agricultural Research Service, 17323
 scientific, plant pest control, 13229
 Sport Fisheries and Wildlife Bureau—
 fish conservation, 6351
 U.S. game management agent, pilot, 6345
 wildlife conservation, 6352
 Veterans Administration, psychology, 12113
 civil service journal, 3095
 employees, use rather than contractor furnished employees for NASA support services, hearing, 16330
 equal employment opportunity, 1927
 examination announcements—
 accountant and auditor, 199, 201, 4390, 7535, 16074
 accountants, professional, 4393
 administrative staff and technical services, 16068
 agricultural commodity grader, amdt., 202, 8983
 agricultural commodity grader (meat), 16063, 16076
 agricultural extension specialist, discontinuance notice, 10422
 agricultural marketing specialist, 7534
 agricultural research scientists, 12103, 12106
 agricultural statistician, discontinuance notice, 17459
 air traffic control specialists, center, tower, station, 16064
 amendment concerning location of positions, 4400
 amendment concerning superior academic achievement standards, 7531
 amendments, 1916, 4389, 7533, 7538, 8987, 17453
 apprentice (mechanical trades), amdt., 203

Civil service—Continued

examination announcements—continued
audiologist, discontinuance notice, 14861
audiology, speech pathology, professional careers, 13448
auditor, 201, 1908, 5919, 12101, 13438
auditor, accountant, internal revenue agent, 16067, 16069
biological research assistants, discontinuance notice, 16077
biological sciences, 14856
biologists, discontinuance notice, 16077
blue collar helper, various occupations, 12102
bookbinder, amendment, 204
cartographer, amendment, 13439
change of jurisdiction to Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1913-14, 5924
chemist, mathematician, metallurgist, physicist, amdt., 4388
clerical and office machine operator positions, 16080
communications relay equipment operator, amdt., 203
computer specialists, computer programmer, computer systems analyst, 13441
computer technician, computer operator, 14857
correctional officer, Federal Prison Service, 7541
crop insurance fieldman and supervisor, amdt., 5921
current, 208-210, 1918, 4395-96, 5929, 7542, 8991-92, 10420, 12103, 13442-443, 14858-859, 16072-73, 17457-458
cylinder pressman, 5926
dental auxiliaries, 12104
digital computer systems operator, discontinuance notice, 14862
education specialist and supervisory education specialist, 205, 5931
educational program advisors, 17462
electronics mechanic, amendment, 203
electronics technician, 12109
elementary teachers, Indian affairs Bureau, 1921-22
engineer, non-research positions only, amdt., 205
engineering aid and science assistant, 7545
engineering and physical sciences, 1924, 5933, 17459
engineers, amendment, 10410
entomologist, amendment, 8985
equipment operators and repairmen at journeyman and junior levels, 12102
equipment specialist, aircraft specialties and electronics, amdt., 1911, 14854
farm management supervisor, amdt., 12107
Federal administrative and management positions, discontinuance notice, 10424
Federal service entrance examination, 8993, 16070
fireman, District of Columbia, amendment, 1912
fishery biologist, discontinuance notice, 16077
foreign language specialists, discontinuance notice, 5930
forester, 8984, 16078
freight rate specialist, 206
geologists, amendment, 5920
guard, 4401
health scientist administrators, amdt., 5922
hearing examiner, 12114, 16066
historian, amendment, 10414
home economist, discontinuance notice, 5932
home supervisor, amendment, 12107
hydrologists, amendment, 5920

Civil service—Continued

examination announcements—continued
illustrator, 14863-864
Indian and Alaska native health program, nurses, 10436
Indian health program, nurses, discontinuance notice, 10423
intergroup relations specialists, 1923
junior Federal assistant, 4402, 13446
librarian, Veterans Administration Installations, 10411
librarians, 4404, 10417
maintenance and service workers in Washington, D.C., metropolitan area, 4403, 5925, 7532, 14028
maintenance technician, 7537
maritime safety specialist, 14867
mason (stone and brick), 10415
mediator, National Mediation Board, 14868
medical technologist, 10412
messengers, 8995
meteorologist, 4387
microbiologists, discontinuance notice, 16077
mineral industries, safety officer, 4392
model maker, nonmetal, amdt., 203
nurses, professional, 1920, 5927, 8989, 10416
nursing assistant, 10429
office aid, 4397
office assistant, 16080
operations research analyst, 10430
orthotist, 17455
patent adviser, amendment, 205
patent examiner, 16075, 17461
pathologist, forest and forest products, amdt., 8985
pharmacologists, discontinuance notice, 16077
physiologists, discontinuance notice, 16077
plant quarantine inspector, 211, 12100
plasterer, 10415
policeman, 4407, 13440
printer, monotype keyboard operator, slug machine operator, 4410
printer, monotype keyboard operator, slug machine operator, hand compositor, amdt., 204, 13437
printer proofreader, amdt., 204, 13437
printing crafts, compositor, bookbinder, pressman, machinist lithographer, photoengraver, apprentice group, 4391
program specialist and adviser in education, amdt., 10413
prosthetist, 17455
psychologists, 16071, 12113
public health nutritionist, amdt., 16065
radio announcer, 7537
radio broadcast technician, 7537
recreation resource specialists, 212, 8986, 12110
research forester, and forest products technologist, 4394
research psychologist, amendment, 200
resident youth worker, 12111
restoration technician, 17455
rigger, amendment, 203
safety inspector, 1915
salary supplements, 4408, 5937, 10433
securities investigator, discontinuance notice, 7543
senior level positions in administration, technical services, etc., 8988
social workers, 1907, 5928
speech pathologist, discontinuance notice, 14861
stenographers and typist, 7549, 14855
surveying aid, discontinuance notice, 7544
technical writer and editor positions, 1931
technicians in engineering and physical science, 15445

INDEX 1967

Civil service—Continued

examination announcements—continued
 telephone operator, 4409, 5923, 13451
 tradesmen and craftsmen at journeyman
 and junior levels, 12102
 trainee, vacation work-study positions,
 in engineering and physical sciences,
 etc., 214, 17460
 transmitter and receiver operator, 7537
 transportation tariff examiner, amdt.,
 1915
 urban planner, 12115, 13444
 veterinarian, amendment, 12100
 veterinarian trainee, summer employ-
 ment, 17463
 warehouse examiner, amendment, 202
 wildlife biologist, discontinuance notice,
 16077
 writing and editing positions, 4411,
 10418
 examinations—
 places where held, 4406, 16082
 sample questions, 213, 1929, 5938, 8996,
 10434, 12112, 13449
 Federal career service at your service,
 7546
 Federal personnel, fund raising for volun-
 tary health and welfare agencies, man-
 ual, 3539, 4399
 Federal personnel manual, 3297
 supplements, 3298–3306
 Federal workforce outlook, 12108
 handbook of occupational groups, etc.,
 3389
 handbook X–118, 3790
 handbook X–118B, 3791
 handbook X–118C, 3792
 investigation, authorization and continua-
 tion, report, 4592
 investigation, authorization, report, 6072
 job opportunities, local and regional ex-
 aminations, 1926, 5935, 8994, 10427,
 14866
 laws, Executive orders, rules and regula-
 tions, FPM supplement, 3304
 medical certificates, reviewing and acting
 on, FPM supplement, 3299
 national emergency standby regulations
 and instructions, personnel and man-
 power, FPM supplement, 3306
 occupational groups and series of classes,
 handbook, 16079
 pay structure of Federal civil service,
 16081
 placement of handicapped, summary of in-
 spection findings, 10432
 position-classification standards, 3692
 post-entry training and education for
 professional, administrative employees,
 task force report, 7046
 potential savings available through use of
 civil service employees rather than con-
 tractor-furnished employees for certain
 support services, GAO report, 11150
 processing personnel actions, 3298
 qualification standards—
 classification act positions, 3790
 postal field service, 3791
 wage board positions, 3792
 self and service enrichment through Fed-
 eral training for professional, adminis-
 trative employees, annex to task force
 report, 10030
 supergrade positions—
 appointment solely on merit, etc., hear-
 ings, 16339
 increase quota, hearings, 16339
 working for U.S.A., applying for job, etc.,
 14869
see also Civil service pensions—Govern-
 ment officials and employees.
 Civil Service Commission:
 ADP Management Training Center, scope,
 faculty, methods, etc., 16062

Civil Service Commission—Continued

appropriations, 1968—
 amendment, 12323
 hearings, 9145, 15147
 report, 10600, 15131
 better office skills and service, student
 manual, 17454
 civil service retirement system adminis-
 tered by CSC, financing, GAO report,
 9547
 commissioner, nomination of Robert E.
 Hampton, hearing, 7824
 Financial Management and PPBS Train-
 ing Center, background, curriculum,
 etc., 7547
 General Management Training Center, pur-
 pose, etc., 7548
 interagency training programs, 10426
 internal auditing activities, GAO review,
 8144
 investigator, qualifications, etc., 207
 pamphlets, 1927–28, 5936, 10431, 13447,
 14869–870, 16081
 procedures relating to continuing eligibil-
 ity of Federal employees for disability
 retirement annuities under retirement
 system, GAO report, 1102
 report, 1966—
 departmental edition, 7539
 document edition, 7595
 Civil Service Examiners, Interagency Boards
see Interagency Boards of U.S. Civil
 Service Examiners.
 Civil service pensions:
 annual report, 7540
 classified and postal employees, 1945–66
 increases in retirement annuity, 4556
 firemen, include within retirement pro-
 visions of U.S. Code relating to hazard-
 ous occupations, hearing, 16429
 laws, compilation, 1981
 rates etc., planning for the later years,
 18207
 retirement and disability fund, 1965, re-
 port, 4489
 retirement benefits, FPM manual supple-
 ment, 3301
 retirement credits, transfer to social se-
 curity system, to close gaps in protec-
 tions, amend U.S. Code, hearings, 10672
 retirement financing, recommendations,
 15046
 retirement law, amend to liberalize bene-
 fits for referees in bankruptcy, hearing,
 16420
 retirement, provisions of title 5, United
 States Code, 13880
 retirement system—
 continuing eligibility of Federal em-
 ployees for disability retirement an-
 nuities, GAO review, 1102
 Federal employee facts, 4398
 financing, GAO report, 9547
 staff retirement systems, appendix to re-
 port, 10632
 survivors of reemployed annuitants, com-
 puting annuities—
 hearing, 749
 report, 10745
 your retirement system, questions and
 answers concerning Federal civil serv-
 ice retirement law, 14870
 Civil service retirement and disability fund,
see Civil service pensions.
 Civil War, 1861–65:
 naval chronology, pt. 6, special studies
 and cumulative index, 1541
 service records, pamphlet to accompany
 microcopy, Utah Territory, Union Vol-
 unteers, 18073
 Union provost marshals' papers, pamphlet
 to accompany microcopy relating to in-
 dividuals civilians, 18061
 United States Marines at Harper's Ferry,
 historical reference pamphlet, 12784

Civil War Centennial Commission, audit, Sept. 7, 1957-May 1, 1966, GAO report, 14148
 Civil works, see Public works.
 Civilian Advisory Panel on Military Manpower Procurement, report, 6028
 Civilian defense:
 activities, appropriations, 1968—
 hearings, 9145
 reports, 10600, 15131
 adult education course, personal and family survival—
 announcement, 16507
 student manual, 1905
 teachers manual, changes, 7916, 12470
 Civil Defense Office Information bulletin, 3420
 civil emergency planning, agreement with Canada, 17249
 community and family service, how organizations can advance program, 16050
 community development and civil defense, 16059
 community involvement, suggestions by American National Red Cross, 16051
 congressional testimony, 90th Congress, 1st session, excerpts, 12098
 damage effects estimation techniques, 13426
 emergency health care, reference guide for students of medical self-help training course, 4378
 Federal buildings, change, 14613
 Federal civil defense guide, 190-195, 4379-81, 5912-13, 8977-79, 10405-406, 13421-423, 14842
 Federal stockpile inventory, report, 2986
 Federal surplus personal property, how to acquire, 12621
 FG series, 4382, 5914-15, 13424, 17450
 if disaster strikes and there is no doctor, medical self-help training, course, announcement, 11738
 labor participation, 197
 labor union members, how are you affected? 4383
 labor's role in State, county, and local civil defense, labor leaders briefing guide, 16055
 labor's role, training course, instructor's guide, 198
 maintenance of shelters, USSR study, 12756
 management textbook, 16056
 meetings that move, handbook, 14843, 16052, 17451
 memorandum to industry, movie, announcement, 10407
 national and State, policy resolutions of AFL-CIO, 1903, 17452
 national fallout shelter survey program, joint support group, phase 1 survey instructions, 15226
 packaged disaster hospital—
 laboratory section, 2823
 materials, catalog and guide for distribution, 13081
 planning, nuclear radiation shielding, analysis and design principles, 8384
 program, status, 8950
 programmed orientation to civil defense—
 governmental responsibilities for civil defense, 13432
 nuclear weapons effects, 13429
 panel book to accompany text, 14846
 protection against what? 13428
 shelters, 13430
 warning, emergency operations, and support programs, 13431
 publications, price lists, 1564, 17136
 radiological defense, planning and operations guide, student manual, 7528
 rural, Federal Extension Service program, 3463
 State and regional defense airlift planning, change, 9447

Civilian defense—Continued
 State directors, lists, 1904, 14844
 State salary ranges, 4898, 11194
 student manual SM series, 1905, 7258, 14846, 16056-57
 USSR study, 1248
 waterworks operations, civil defense aspects, 4382
 Civilian employees, see Army—Government officials and employees.
 Civilian nuclear power, 1962 report to the President, 1967 supplement, 7436
 Civilians:
 aides to Secretary of Army, 13th national conference, summary, 15944
 civilian personnel pamphlets, 5723-24
 DSA career program for automatic data processing, 13910
 Navy, manpower management (periodical), 8602
 travel and transportation, temporary duty, general information, etc., handbook, 6143
 Union provost marshals' papers, pamphlet to accompany microcopy, relating to individuals, 18061
 Cladding, ductile, effect on bend transition temperature of wrought tungsten, 17008
 Claims:
 ammunition shipments, indemnification for losses arising from, agreement with Great Britain, 7184
 arising from correction of military records, provide statute of limitations on payments, report, 2016
 bankruptcy, creditors, filing, amend act—
 hearing, 16420
 report, 9094
 Census Bureau employees, arising out of taking 1960 decennial census, Secretary of Commerce to settle—
 law, 442
 report, 928
 Coast Guard, settlement incident to non-combat activity while operating as service in Transportation Dept., increase settlement authority, amend U.S. Code, report, 17571
 damages to property, etc., proposed supplemental appropriation to pay, 9077, 10697
 District of Columbia employees personal property claims, settlement, report, 10610
 District of Columbia estate cases, settlement by commissioners, remove dollar limit—
 law, 12175
 reports, 7688, 12380
 Federal agencies, general procedures, GAO guidance manual, 8128-29
 Gut Dam, agreement with Canada, 8725
 International claims settlement act of 1949, amend—
 hearings, 732, 12300
 law, 484
 report, 897
 International claims settlement act of 1949, as amended—
 relative to claims against Yugoslavia, excerpts, 8050
 text of title 5, 8051
 Livestock, packers and stockyards act provides assistance, 1712, 15869
 medical insurance, under medicare, methods of payment, 7127
 military, settlement, and appeal procedure, amend U.S. Code, report, 12279
 ordnance plant explosion in Bowie County, Tex., settlement—
 law, 12158
 reports, 637, 801
 postwar economic assistance claim, settlement, agreement with Federal Republic of Germany, 11849

Claims—Continued
 United States nationals—
 against Chinese Communist regime, determination—
 law, 484
 report, 897
 against Poland, determination, hearing, 732
 agreement with Yugoslavia, text, regulations, etc., 8050
 veterans, settlement, agreement with Philippines, 17234
 war claims act, administration, investigation, report on findings, 13831
 see also Unemployment Insurance—also names of claimants.

Clamps:
 cable clamp bolt fixture facilitates assembly in close quarters, 15533
 Marmen, tool facilitates installation, 9860
 provide efficient connection for high-density currents, 11469
 system for Pharos 2-MJ capacity bank, 11671

Clams, certified shippers, list, 3089

Clarinda, Iowa:
 airport, permit leasing of portion of property—
 law, 376
 report, 680

Clarinet, sonata for 2 clarinets, student composers take over, 7911

Clark, Austin H., monograph of existing crinoids, suborders Oligophreata and Macrophreata, 14528

Clark, P. Bryan, planting black walnut for timber, 32

Clark, George:
 histochemistry of Well stain on liver, 10320
 problems in aerial application, endrin and carbon tetrachloride, etc., 4252

Clark, Joseph S.:
 East of the Elbe, 6104
 war or peace in Middle East, 10837

Clark, Leonard V., free jet impingement normal to curved surface in vacuum, 9897

Clark, R. T., experimental cascaded-fed monopulse antenna system, 11396

Clark, Ramsey, nomination, hearing 9324

Clark, S. K., pressure distribution curves applicable to pneumatic tires, 11401

Clark, William B., naval documents of American Revolution, 7773

Clark, Willie E., index to conferences relating to nuclear science, 127

Clarke, J. F. Gates, Chilean microlepidoptera, 6970

Clarke, James W., geophysical abstracts, 3376

Clarke, Joan, labor law and practice in Lebanon, 2495

Clarkson, J., British work on behaviour of warship structures, 5488

Clarr, Warren P., differences in herbage-timber relationships between thinned and unthinned ponderosa pine stands, 2316

Classification:
 classification bulletins, Patent Office, 2785, 5368
 classification definition series, 5369, 8604-5, 11684, 13043-46, 17104-108, 18117-134
 Government publications available to depository libraries, list of classes, 17131
 Library of Congress—
 additions and changes, quarterly list, 3464
 class G, geography, etc., 5086
 class L, education, 5087
 class P, subclass PQ, French literature, 2527
 class Q, science, 9749
 class R, medicine, 5088

Classification—Continued
 Navy, enlisted personnel manual, 5330, 14586
 Navy officer, manual—
 changes, 2777, 18108
 cross reference index, 7014
 postal field service, reclassify certain positions, hearings, 12308
 U.S. foreign trade statistics, classifications and cross-classifications, 17440
 United States Senators, 762
 see also Civil service—Government officials and employees—also names of substances, objects, etc., classified.

Classrooms:
 complex, with programmed instructions, USSR study, 9661
 National Teacher Corps as missionaries, 6188

Claude cycle, see Refrigeration and refrigerating machinery.

Clay, Eleanor W., bimonthly list of publications and motion pictures, 3058

Clay:
 construction products, current industrial reports, 3169, 12068, 14827
 deposits, northeastern Alabama, 2357
 lime-soda slater process for producing alumina from, evaluation of method, 9779
 minerals wearhook chapter, 2534
 see also Montmorillonite.

Clayton act, see Mononolles.

Clean air act, see Air pollution.

Clean rooms:
 air sampler, counts, categorizes, and records particle size, 14409
 bacteriology of, 17937

Clean water restoration act, see Water pollution.

Cleaning:
 and bond contact with solids, classification definitions, 18124
 equipment and supplies Federal item identification guides for supply cataloging, supplements, 3290
 liquid oxygen ducting cleaned by falling film method, 16947
 see also Dry cleaning.

Cleaning compounds, see Soap.

Clear Creek County, Colo., geology and ore deposits of Lawson-Dumont-Fall River district, 16682

Clear Lake National Wildlife Refuge, birds, list, 15962

Clear Lake Springs, Millard County, Utah, causes of fluctuations in rate of discharge, 12618

Clearing of land, safety industry, instructor outline site clearing, 17887
 see also Reclamation of land.

Clearinghouse for Federal Scientific and Technical Information:
 fast announcement (periodical), 3266
 fast announcement service of U.S. government research and development reports, 10437
 news releases, 3711
 R&D reports, technical information that may help your company, 5294 14520
 scientific documentation sponsored by NPS, price list, 6916

Clearinghouse for Research in Child Life, 8967

Clearwing moths, clearwing borer in red oaks, 2326

Cleaver, Thayer, effect of layout, equipment, and routine on time and travel required for milking cows, 4151

Clem, Harold J., maintenance management in Defense Dept., 17858

Clement, Wendell E., consumer response to various levels of advertising for fluid milk, 17322

- Clergy:**
 hospital ministry, medico-moral ethics (papers), 15817
 social security for clergymen, explanation, 11801
Clerical workers, see Clerks.
Clerk typists, see Typists.
Clerks:
 better office skills and service, student manual, 17454
 examination announcements, 7549, 16080
 office aid, examination announcement, 4397
Cleveland, Ohio:
 area wage survey, 5066
 children in need, federally assisted aid program to families, study, 4386
 selected neighborhoods, population characteristics, 4351
 urban studies, 4386
Clevenson, Sherman A., fatigue life under random loading for several power spectral shapes, 17013
Click beetles, see Beetles.
Cliff, Rodger, A., application of stored-program computer to small scientific spacecraft, 11533
Clifford, J. E., water-vapor electrolysis cell with phosphoric acid electrolyte, 12858
Clifton, N.J., area wage survey, 15438
Climate:
 and surface water features of Sâhlî Sûsah area, Tunisia, 11189
 Arizona, 4746
 changes, and agricultural production, Communist China study, 9673
 China, characteristics, classification, etc., 12686
 climatic maps of United States, 13989
 climatology of United States, climates of States, 4746, 9425-26, 12478, 16530-531
 climatological aspects of air pollution in West Virginia, 6219
 climatological data—
 by States, etc., 3096
 for Antarctic stations, 6217
 national summary, 3097
 climatological probability of aircraft icing, 7318
 climatology—
 Northern Hemisphere, introduction, 14793
 radioactive fallout in northern regions, 14794
 Iowa, 9425
 local climatological data, 3522
 Michigan, 16530
 monthly data for world, 3570
 New Jersey, 9426
 Oregon, 16531
 subtropical, seasonal changes among endocrine-metabolic indices of men, 7358
 Vietnam, Republic, annotated bibliography, 16539
 WB/BC series, 16539
Cline, A. J., soil survey of Delta-Montrose area, Colo., 15747
Clinical Center, National Institutes of Health:
 current clinical studies and patient referral procedures, 10044
 normal volunteer patient program, handbook, 7067
 patient admission procedures, 13069
 people with a purpose, normal volunteer patients, 7081
Clinical medicine, see Medicine.
Clinical medicine (USSR periodical):
 translations, 1194, 1200, 1314, 1347, 4973-74
Clinical pharmacology, see Pharmacology.
Clinical psychologists, see Psychologists.
- Clinics:**
 psychiatric facilities usage for community mental health programs and related research, 5465
 psychiatric outpatient services, State and total U.S.—
 annual statistical reports, 1586, 14633
 special statistical report, older adult patient, 5453
 Turkmen SSR, quality and number of medical institutions increase steadily, 14224
 Veterans Administration career information—
 manual arts therapists, 14713
 occupational therapists, 14712
 social workers, 14711
 Clinton hematitic sandstone deposits, Butt Mountain area, Va., 12819
Clocks and watches:
 dutiable status of imports from insular possessions, amend tariff schedules—
 law, 509
 report, 911
 synchronizing remotely-located clocks, 8422, 14373
 see also Atomic clocks.
 Clones, cacaro, collection of Agriculture Dept., description, 10148
Close, Kathryn, children, interdisciplinary journal for professions serving children, 3093, 14840
 Closed collision paths in plane circular restricted three-body problem, 9922
 Closed life-support system, etc., 15515
 Closing nutrition gap, 15871
Clostridium:
 agar concentration in counting colonies, 17346
 clostridium bacteria toxins effect on hemolytic and lecithinase activity, USSR study, 15388
 clostridium perfringens, toxins, microbiological studies, 11290
 recovery from human feces, development of method, 4182
Closures:
 for containers, current industrial reports, 3169, 13388
 self-sealing closure enables access to several fluid containers, 14417
Cloth, see Textiles—also names of textiles.
Clothing:
 and individual equipment, Federal item identification guides for supply cataloging, supplements, 3292
 apparel survey, 1965, current industrial reports, 8938, 10352, 12067
 field clothing exchange operations, Army technical manual, 8885
 fix new clothes to make them last longer, 7237
 4-H projects, abilities of girls 9-13, 48
 men's apparel, current industrial reports, 3169
 pneumatic insulation suit for radioactivity protection, USSR study, 14231
 programs, pattern alteration, guide for leaders, 15856
 protective—
 chemical operations, technical manual, 15946
 motorcycling fun and personal protection, 17174
 passenger smoke hood, aviation medical report, 14812
 simplified construction, 14743, 17314
 urban families, expenditures per member by sex and age, 14303
 used clothes for your school boy or girl, measure before you buy, 7284
 water cooled, bio-thermal responses to varied work program in men kept thermally neutral, 8423

INDEX 1967

Clothing—Continued
 women's apparel, current industrial reports, 3169
see also names or types of clothing.

Clotting, *see* Blood.

Clots, *see* Blood.

Cloud, Preston E., jr.:
 bauxite deposits of Anniston, Fort Payne and Ashtville areas, northeast Alabama, 2356
 geology and bauxite deposits of Rock Run and Goshen Valley areas, northeast Alabama, 9561

Cloud, William K., Parkfield, Calif. earthquake of June 27, 1966, preliminary engineering seismological report, 1934

Clouds:
 cover and out-going radiation, investigation with satellite Kosmos-122, USSR study, 2443
 droplet camera, 4202
 maps, automatic compilation of Seton' electronic computer using weather satellite data, USSR study, 12660
 measurements using aircraft, time-lapse photography, 10967
 Pre Gondola, lidar observations, final report, 17397
 noctilucent, USSR study, 1332
 research, use of meteorological satellites, USSR study, 12744
 television photography, meteorological satellite data, catalog—
 ESSA 3, 16536
 TIROS IX, 6227
 TIROS X, 13990
 upper troposphere motions as revealed by satellite-observed cirrus formations, 9430

Clouds, Magellanic, *see* Magellanic Clouds.

Cloutier, Hardy, soil survey of Chicot County, Ark., 11813

Clover, *see* Crimson clover.

Clover-Rush Run oilfield, William Kaufman lease, reservoir study, 14347

Cluj, Rumania, radioactivity of vegetation, studies, 1299

Clutches (machinery):
 and power-stop control, classification definitions, 18132

Clutter, *see* Radar.

Clynes, Susan J., relief, 340, 834

Coagulation, *see* Blood.

Coal:
 Alaska, resources, 8157
 analyses of tippie and delivered samples, 8375
 analyzing and testing coal and coke, methods, 14323
 anthracite—
 carbon dioxide adsorption, surface area studies, 1412
 gamma radiation effect on reaction with fluorine and chlorine, 2585
 Pennsylvania—
 distribution 1965-66 coal year, 5102
 from Bottom Red Ash bed, northern field, preparation characteristics, 12830
 mineral industry surveys, weekly, 3679
 minerals yearbook chapter, 2535
 pressure drop across fixed beds of briquettes, comparison with blast furnace materials, 11375
 bituminous and lignite—
 distribution, quarterly, 3060
 minerals yearbook chapter, 5099
 mining, census of minerals, 1963, industry statistics, 167
 bituminous resources of Texas, 8158

Coal—Continued
 BM-AGA carbonization yields from 13- and 18-inch-diameter retorts, correlation, 2575
 carbonization—
 conditions and coal properties effect on coke size and strength, 16866
 yields and analyses of tars and light oils, 16850
 carbonizing properties—
 Fayette and Greenbrier Counties, W. Va., 2576
 Logan and Mingo Counties, W. Va., 5130
 chemicals—
 mineral industry survey, 3103, 15462
 minerals yearbook chapter, 5100
 chloroform extractions of coals and chars, 12826
 coal and modified coals, use as adsorbents for removing organic contaminants from waste waters, 2588
 coal-fired turbine, Mines Bureau research project, test of new blade design, 9772
 cost competitiveness for energy sources of future (remarks), 6439
 dewatering anthracite slurry, 15478
 distribution of minor elements in western and southwestern regions of Interior coal province, 8153
 electrochemical reduction, 16862
 fly ash, extraction of germanium and gallium, 9789
 foreign trade reports, 3998, 10399
 industry, nuclear power briefing, 8904
 international trade, monthly inventory, 3433
 liquefaction (remarks), 8997
 minor elements in American coals (series), 8153
 optical properties, 16849
 preparation characteristics—
 Randolph County, W. Va., 2578
 Upshur County, W. Va., 14358
 products from high-temperature irradiation and carbonization of coal, comparison, 2572
 report, weekly, 4053
 resources—
 Cape Lisburne-Colville River region, Alaska, 15306
 southwestern Utah, potential for use in steam-electric power-generation plants, 8341
 spectrometry advances, absorption, 16848
 thickness of bituminous coal and lignite seams mined, 14327
 use with ammonia, for hydrogen cyanide production, 14349
 Utah—
 coking properties, 11377
 low-temperature carbonization product yields, estimation, 14345
see also Ashes.

Coal dust:
 and methane mixtures, equivalences and lower ignition limits, 9782
 incendivity of hot gases to methane and coal dust, reduction by sodium chloride and sodium nitrate, 11383

Coal fields, *see* Coal.

Coal-fired water pump, 1408

Coal lands, strip-mining in eastern Kentucky, land disturbances, 8077, 17801

Coal Mine Safety Board of Review, member, nomination of Elzie H. Wooten, hearing, 6123

Coal mines and mining:
 bituminous coal mines, wage chronology, 16820
 census of mineral industries, 1963, industry statistics, 166
 Federal coal mine safety act, as amended, title 1 and title 2, text, 16852
 injuries and employment, monthly report, 3098

Coal mines and mining—Continued

- longwall mining—
 - in bituminous coal mines with planers, shearer-loaders, and self-advancing hydraulic roof supports, 6638
 - techniques, demonstration mine, Windber, Pa., feasibility study and supplement, 7868
- nitrogen dioxide in fumes from explosives, rapid colorimetric method for field determination, 14338
- pneumatic transportation of solids, symposium, 2542
- pressure changes in pillars during extraction, 12829
- stress distributions in burst prone coal pillars, 12824
- USSR, poor safety measures and work methods, 2478
- see also* Coal lands—Mine drainage.
- Coal Research Office:
 - annual report, 10440
 - appropriations, 1968, hearings, 7734
 - press releases, 3712
- Coal tar, *see* Tar.
- Coal Week, National, *see* National Coal Week.
- Coalfields, *see* Coal.
- Coast and Geodetic Survey:
 - aeronautical charts and related publications, catalog, 5939, 8998, 16084
 - magnetograms MHV series, 7552
 - publications, 4412, 12117, 14873, 17466
 - special publications, 1935
 - technical bulletins, 5946
 - uniformed services, joint travel regulations, 3455
- Coast facilities, Navy design manual, changes, 2765
- Coast Guard:
 - aids to navigation services, improve, etc.—hearings, 745
 - law, 382
 - reports, 669, 4585
 - appropriations for vessels, authorization—hearings, 7752, 10827
 - law, 13524
 - reports, 10556, 12378
 - auxiliary membership qualification guide, 13452
 - career opportunities, engineering team, not for ordinary engineer, 218
 - claims settlement incident to noncombat activity while operating as service in Transportation Dept., increase settlement authority, amend U.S. Code, report, 17571
 - construction of shore and offshore establishments, appropriate authorization, report, 12378
 - court martial cases, report, 7844
 - electric engineering regulations, 9001
 - engineer's digest (periodical), 17468
 - enlisted ratings qualifications manual, 14876
 - equipment lists, 9002
 - group life insurance program, annual report, 8778
 - legislation, hearings, 745
 - manual, national search and rescue, amendment, 12124
 - marine investigation regulations, etc., 10443
 - need for improvement in Coast Guard Reserve training program, GAO report, 14153
 - nominations, hearings, 6094
 - oceanographic reports, 10444-445
 - officers and cadets, register, 7560
 - official recreational boating guide, 219, 4419
 - ordnance manual, amdt., 4417
 - organizational manual, 4418
 - recreational boating safety, responsibilities, hearing, 17603
 - regulations, 222

Coast Guard—Continued

- retirement age requirements, amend act rel. to former Lighthouse Service employees, report, 12251
- rules and regulations for numbering undocumented vessels and reporting of boating accidents, 9007
- terminal facilities guide, Defense Supply Agency handbook, 17690
- transfer—
 - law, 389
 - report, 906
- United States Code, title 14, amend—
 - law, 17537
 - reports, 7706, 15089
- see also* Pay, allowances, etc.
- Coast Guard Academy, New London:
 - cadet profile, 16088
 - candidates for appointment as cadets, 1967-68, bulletin of information, 9008
 - catalogue of courses, 14879
- Coast Guard Auxiliary, motorboat examination program, courtesy examiners handbook, 5947
- Coast Guard Officer Candidate School, opportunity for college seniors or graduates, 217
- Coast Guard Reserve:
 - Coast Guard reservist (periodical), 3099, 12122
- INACDUTRA afloat training guide, 14878
- keep your civilian job but enjoy 2d career as commissioned officer, 10442
- nomination, hearings, 6094
- register of officers, 7559
- training program, need for improvement, GAO report, 14153
- Coast Guard stations:
 - construction of shore and offshore establishments, appropriation authorization—
 - hearings, 7752, 10827
 - law, 13524
 - report, 10556
- Coast Guard vessels, *see* Ships.
- Coast pilots, United States coast pilot, 4414, 5942-45, 7553-54, 7556-57, 17467
- Coastal Engineering Research Center:
 - bulletin and summary report of research progress, 2307
 - miscellaneous papers, 10952, 13975
 - reprint R. (series), 10953, 16519-521
 - technical memorandums, 7924-25, 10954, 13976, 16522-523
 - technical report, 1022
 - wave record program, 10951
- Coastal Plains, *see* Atlantic States.
- Coastal Plains Regional Commission, economic development plans and programs for Coastal Plains region (remarks), 16090
- Coastal processes and beach erosion, 10953
- Coastal warning facilities charts:
 - Canadian border to Eureka, Calif. and Alaska, 14717
 - Cape Hatteras, N.C. to Brunswick, Ga., 14718
 - eastern Florida, 8790
 - Eastport, Maine to Montauk Point, N.Y., 14719
 - Eureka to Point Conception, Calif., 11901
 - Hawaiian Islands, 11902
 - Manasquan, N.J. to Cape Hatteras, N.C. and Chesapeake Bay, 14720
 - Montauk Point, N.Y. to Manasquan, N.J., 14721
 - Morgan City, La. to Brownsville, Tex., 11903
 - Point Conception, Calif. to Mexican border, 11904
 - Puerto Rico and Virgin Islands, 11905
- Coasts, coastal engineering, compilation of longshore current data, 10952
- see also* Littoral.
- Coated surfaces, *see* Surfaces.

INDEX 1967

- Coating machinery:
 coating implements with material supply, classification definitions, 18134
 mechanism facilitates coating inner surfaces of metal cylinders, 8478
- Coating materials:
 abraded cadmium-plated cable connectors repaired by conversion coating, 6746
 black, simulated space environment effects on thermal radiation characteristics, 16980
 clear coatings on softwood surfaces, irradiated and weathered, microscopic observations, 14123
 coating implements with material supply, classification definitions, 18134
 compositions, classification definitions, 8605
 fire-retardant undercoat on burning characteristics of combustible topcoat, 13036
 fused-fluoride lubricant additions, for reduction of low-temperature friction, 5265
 high temperature coating of metals, USSR study, 9677
 magnesium-lithium alloys, coating protects against corrosion, 11477
 metal flame spray coating protects electrical cables in extreme environment, 17931
 pigmented, highly reflecting coatings, light scattering investigations, summary, 14392
 protective coating for magnesium alloys, 10013
 sprayable birefringent coating enables strain measurements on large surfaces, 2680
see also Ceramics—Primers (paint).
- Coats, George L., radionuclide standardization, bibliography, 15682
- Coaxial cables, *see* Electric cables.
- Coaxial plasma gun, performance, viscous drag effect, calculation, 5267
- Cobalt:
 alloy liners for small arms barrels, soundness requirements, military standard, 9378
 ions, use in activation of ZnS crystals, bleaching effect under ruby laser pulses, 9926
 iron alloy, magnetically soft, high-temperature, investigation, 1500
 iron alloy with superior high temperature magnetic properties, 5269
 mineral industry survey—
 monthly, 3100
 quarterly, 3101
 minerals, magnetic susceptibility, 17911
 tungsten-cobalt alloys reaction with oxygen at 1,000° and 1,100° K, 14352
 tungsten-cobalt system for compositions to 85 atomic percent, 12816
- Cobalt isotopes, Co-60, distribution in freshwater ponds, 15681
- Coburn, Kenneth R., physiological, psychological and bacteriological aspects of 20 days in full pressure suits, etc., 6723
- Cocco, Joseph K., employee earnings and hours in retail trade, 8302
- Cochise County, Ariz., population, special census, 10371
- Cochran, Andrew A.:
 recovery of manganese as chloride from ores and slags, 11369
- Cochran, Corbille P., relief, 7630
- Cochran, F. L., plutonium metallography, 10298
- Cochran, J., Quehanna pilot plant first generation process operations, 5777
- Cochran, Thomas H., effects of fluid properties and gravity level on boiling in discrete bubble region, 15562
- Cockroaches, how to control them, 7273
- Cocks, Charles A., Missouri Basin Inter-Agency Committee, minutes of meetings, 5138, 14362, 16869-870
- Coconino National Forest, Wild Bill Range, relationship between timber and cattle on Ponderosa pine range, 16652
- Code of conduct for Armed Forces, *see* Conduct of life.
- Code of Federal regulations, 3192, 6266-96, 7975-89, 9459-86, 11030-47, 12515-528, 14033-35
 general provisions, 16586
 index, 12515
see also for titles, chapters, etc., of the Code printed separately, subject in volved.
- Codes:
 computer-based geographic coding for 1970 census (paper), 4304
 efficient coding system for deep space probes with specific application to pioneer missions, 14493
 freight description and suffixes, Army regulation, change, 14796
 transformation task that provides performance measures of nonverbal mediation (Cotran), 16916
see also Codes of law—Machine records codes—*also* headings beginning Code—*also* subjects.
- Codes of law:
 District of Columbia, 1967 edition, 16333
 United States—
 annotated, or Federal Code, provide for distribution to Members of House of Representatives, 16231
 1964 edition, supplement, 12140, 13473
 revision and codification study—
 authorization, report, 4608
 resumé of activities, report, 10743
 title 5, codify provisions of Public law 89-487—
 law, 12165
 reports, 7707, 10780
 title 37, amend, report, 14942
 title 38, compilation, 755
 titles 5, 14, and 37, amend—
 law, 17537
 reports, 7706, 15089
see also subjects.
- Codex Alimentarius Commission, international standards for food products, U.S. delegates, etc., 2136, 9353
- Codington County, S. Dak., soil survey report, 7134
- Coe, Fredric L.:
 effect of hydrazine upon renal blood flow, 11967
 effects of monomethylhydrazine upon renal function, 15901
- Coe, Michael D., early cultures and human ecology in south coastal Guatemala, 9954
- Coefficients:
 Doppler, Monte Carlo program for calculation, 18039
 drag, and local flow properties of family of blunt bodies, 18056
 drag, of microscopic spheres in free-molecule flow, 11407
 Fourier analysis, diurnal variation of $f_0 F_2$, influence of earth's magnetic field, 8512
 friction, for laminar and turbulent flow, correlation with ratios of surface bulk temperature, 17014
 gamma ray angular distribution, compilation, 12013
 heat transfer, and static pressures for condensation of high-velocity steam within tube, 9911
 Mathieu functions, tables, 14513
 1970 input-output, 17891
 second virial coefficients for hydrogen, quantum mechanical calculations, 8527
 tables of folded sin x - x interpolation coefficients, 4413
 viscosity and thermal conductivity, of dilute nitrogen and oxygen, 5293

Coefficients—Continued

Wigner 3j, 6j, and 9j for angular momenta ≤ 80 , Fortran programs for calculation, 1526

Coffee, Daniel R., soil survey of Menard County, Tex., 8701

Coffee:
foreign agriculture circulars, 3345
green coffee inventories, imports, and roastings, 3384
International agreement, annual report, 6046

Coffee Creek, flood of Dec. 1964, erosion and deposition, 17823

Coffin, Donald L., geology and ground-water resources of Big Sandy Creek Valley, Lincoln, Cheyenne, and Kiowa Counties, Colo., 11191

Coffman, Jerry L., Parkfield, Calif., earthquake of June 27, 1966, 1934

Coffman, Joseph S., evaluation of western phosphate industry, and its resources, Wyoming and Utah, 11370

Cohen, A. Clifford, Jr., estimation in mixed frequency distributions, 12947

Cohen, Allan J., onset of anomalous diffusion in electron-bombardment ion thruster, 2710

Cohen, Edwin, center for ITV, 997

Cohen, Gerald A., effect of edge constraint on bucking of sandwich and ring-stiffened 120° conical shells subjected to external pressure, 11417

Cohen, Milton M., proceedings against, report, 699

Cohen, Wilbur J., womanpower policies, 17886

Cohn, Edward A., mergers and acquisitions by retail grocery store companies, 2172

Coin Week, National, *see* National Coin Week.

Coins:
coinage act of 1965, amend to permit use of mint marks—
bearing, 10817
law, 12171
reports, 10602, 10765, 12248
outstanding and circulation, monthly statement 3897

Coke:
mineral industry survey, 3103, 15462
minerals yearbook chapter, 5100
size and strength, effect of carbonization conditions and coal properties, 16866
Utah coals and blends, coking properties, 11377
see also Coal.

Cold-air investigation of turbine for high-temperature engine application, 5236

Cold Regions Research and Engineering Laboratory:

research reports, 97, 1754, 4196-97, 5725, 7378-80, 8878, 10255-258, 11982, 13290-292, 14792, 15930, 17374-376
science and engineering, environment, 1756, 14793-794
special reports, 98, 1755, 4198-99, 15931
technical reports, 99, 4200-2, 7381, 8879, 11983, 14791, 15932-933, 17377-379

Cold solid propellant motor has stop-restart capability, 6830

Cold storage:
frozen food locker and freezer provisioning industry, 5648
regional holdings, summary, 8761
report (periodical), 3104

Cold trap increases sensitivity of gas chromatograph, 5206

Cold war, *see* International relations.

Coldplate of pin fin design makes efficient heat exchanger, 9839

Cole, E. R., beds, classification definitions, 18117

Cole, Everett L., soil survey of Ellis County, Okla., 8703

Cole, Henry A., Jr., baffle thickness effects in fuel sloshing experiments, 2700

Cole, Samuel J., relief, 832

Coleman, George H., radiochemistry of plutonium, 126

Coleman, Robert G., low-temperature reaction zones and alpine ultramafic rocks of California, Oregon, and Washington, 17817

Coleman, Warren F., Jr., relief, 10718, 13567, 17492

Coleoptera, *see* Beetles—Weevils.

Colglazier, Robert W., Jr., advance to grade of lieutenant general, authorizing, 2082

Coliform organisms, fecal coliforms in environment, sanitary significance, 6343

Colin, Lawrence, electron densities and scale heights in topside ionosphere recorded at Hawaii, 6736

Collagen, polypeptides and polymers related to collagen, USSR studies, 14270

Collards, caterpillar control in South, 15847

Collecting of accounts:
debtors' accounts, effort to collect or otherwise settle, Farmers Home Administration, GAO review, 4879

Justice Dept. policies and procedures for judgments, fines, etc., GAO review, 11154

Collection and preservation of insects, 10182

Collective bargaining:
employee representation, milestone in industrial democracy (remarks), 6939, 8532

future (remarks), 2750

health and insurance plans, digest, 5058

major agreement expirations, 1967, lists, 16824

millions of ballots for industrial democracy, 6938

poultry feed prices, California groups, 7944

purchaser and labor contract, escalating theory (address), 15596

Collective defense treaties, 7743

Collectives, farmers, increased material interest and improved wages, USSR study, 2475

Collector/collector guard ring balancing circuit eliminates edge effects, 2673

Collectors and collecting, duck stamp information, 11075

College students, *see* Students.

Colleges and universities:
air pollution courses, 2806
architecture design awards—
excellence in design, new potential on American campus, 7894

new shapes for ivory towers, 7904

campus and community (address), 15210

city and the city university (address), 11196

civilian career opportunities for college graduates with Army Department, 8877

computers in higher education, report of advisory committee, 8615

Counselor development in American society, Government-university relations in professional preparation and employment, conference recommendations, 2482

curricula in marine sciences, 17752

degree profile of science and technology and Federal contributions, 14560

developing institutions, assistance, extend, law, 464

directory, higher education, 16498

economic development and college enrollment (address), 16477

education legislation, 1967, hearings, 16426

engineering degrees (1964-65) and enrollments (fall 1965), 13953

enrollment, master's and higher degrees, fall 1964, final report, 2182

enrollment, 1966 fall, 12467

enrollment, projections to 1985, United States, 10363

Colleges and universities—Continued
 executive development programs in public service, university-sponsored, 2193
 facilities act of 1963, extend, etc., law, 464
 facilities act of 1965, amend, hearings, 15026
 Federal Government and higher education, contract, grant and loan programs, 7755
 Federal support for academic science and other educational activities, 13011, 17057
 financing college education, programs, etc. (remarks), 5571
 Government, universities, and international affairs, crisis in identity, report, 16516
 graduate academic facilities program, Public law 88-204, preparation and submission of proposals, manual, 17718
 graduate educational grants—
 for fishery research, 17774
 in aquatic sciences, 1077
 grants for international studies and research, etc., law, 412
 higher education act of 1965—
 administration of programs, 1966, notes and working papers, 12422
 amend, hearings, 15026
 amend and extend title 5—
 law, 12176
 reports, 12275, 13643, 13805
 educational media programs, 2178
 grants for library materials, policies and procedures manual, 9405
 institutional assistance grant program, 16502
 student loan program, 6% payment tables and amortization schedules, 7910
 title 1, community service and continuing education, newsletter, 3126
 title 3, strengthening developing institutions, 2185
 higher education in scientific age (remarks), 10306
 higher education reports, for participants in Bureau of Higher Education programs, 13954
 housing loans, and savings through more frequent payments, GAO report, 17814
 how Education Office assists college students and colleges, 4712
 industry and universities strengthen collaboration, USSR study, 6559
 library resources program, grants for library materials, policies and procedures manual, 9405
 LSD and marijuana use on campuses, 2128
 manpower research institutional grant program, progress report, 16795
 money for college, how to get, 16501
 NASA Western University Conference, summary report, 2616
 national defense education act—
 institutes for advanced study, preparing proposals, manual, 9401
 student loan program, college work-study program and list of participating institutions, 1001
 Negro, directory, 9679
 new dimensions in relationship of university and the physically handicapped (remarks), 13068
 new luster for college teaching (address), 9404
 new Soviet Academic settlement in Irkutsk, eastern Siberia, 9637
 nuclear physics research activities, Basel and Fribourg, Switzerland, 5011
 pension plans, tax treatment, report, 15093
 predominantly Negro, graduates—
 class of 1964, special report, 14625
 1965-66 directory, 2483
 prospective manpower situation for science and engineering staff, 14563

Colleges and universities—Continued
 psychiatric-mental health nursing institutions offering trainee stipends, 11760
 public college of arts and sciences, etc., establish in D.C.—
 law, 495
 report, 693
 research grants, etc., from HEW, indirect cost rates, guide, 8189
 resources and activities, systems for measuring and reporting, 17058
 Rumania, role of higher education for scientific research, 14223
 scientific activities, resources, 1964 expenditures and Jan. 1965 employment, preliminary report of survey, 2762
 sea grant colleges and program act—
 law, 402
 reports, 632, 679
 scientific organizations of labor in higher education, USSR, 16776
 selective service, college qualification test, bulletin of information, 5486
 seniors and graduates, opportunity in Coast Guard Officer Candidate School, 217
 staffing American colleges and universities, 7913
 State land-grant, Extension Service review (periodical), 3255
 teaching faculty, spring 1963, general characteristics, etc., survey, 9413
 university perspectives on manpower, seminar, proceedings, 15435
 urban research study centers, directory, 14919
 USSR—
 educational institutions, productivity discussed, 1292
 evening higher education institutions, prospects, 1164
 what OE's decentralization means to colleges, decisions from the field, 16497
 women, 7 years after graduation, survey, 7235
 work-study program, institutional matching, hours of work, amend law—
 law, 17536
 reports, 14952, 14959, 15125
see also Junior colleges—also names of colleges and universities.
 Collette, Bruce B., catalog of type specimens of darters (Pisces, Percidae, Etheostomatini), 6951
 Collette, J. G. Rolland, space vehicle flight control systems, 12876
 Collins, A. Gene, bromide and iodide in oil-field brines in some Tertiary and Cretaceous formations, 11385
 Collins, Arthur B., III, density and height growth in natural slash pine, 15289
 Collins, C. H., development of radioactive pebble bed chemical reactor system, 12011
 Collins, Frederick G., allergy and sinus disease in aviators, 14782
 Collins, Robert L., Jr., three-dimensional analysis of tangential yo-yo despin device on rotating body, 6888
 Collins, Ronald P.:
 mineral industry of—
 Idaho, 1400
 Montana, 6660
 Oregon, 2561
 Washington, 2565
 Collins, William E.:
 adaptation to vestibular disorientation—
 eye-movements and subjective turning responses, etc., 15980
 influence on adaptation of interrupting mystagmic eye movements with opposing stimuli, 7447
 visual fixation on nystagmus and sensations of turning, etc., 15981
 Collins, Winifred Q., meeting challenge of later years, 8802

Collisions, *see* Motor vehicle accidents.

Collisions (electronic):

low energy, cross section data, bibliography, 8521

Monte Carlo code for solution of planar electron-diode problems including electron-neutral elastic collisions, 15558
resonant frequencies of dielectric sphere immersed in collisional plasma, 12929

Colloids, asbestos fibrils as reinforcements for polymeric structures, 16914

Colman, J. M., timing and firing, 1810

Colombia:

agricultural commodities, agreement, 7173
education, exchange commission and financing of programs, agreement, 14683
foreign trade regulations, 16100
mineral industry, minerals yearbook chapter, 11360
projects, planning and supervision by AID, GAO review, 16677
sea level canal site, joint technical-economic feasibility investigations agreement, 11835

Colonial National Historical Park:

properties within, acquire—

law, 16130

reports, 12247, 15111

Colonic polyps, *see* Polyps.

Color:

color-name as function of stimulus intensity and duration, 14320

induction using asynchronous flashes, 12794

modulation of stationary light beam, 2628

signal lights, selection, definition, measurement, production, and use, 8522

slide rule-type color chart predicts reproduced photo tones, 11436

treatise on color, 11595

use for safety in industry, 8297

Color blindness, defective vision, diagnostic tests, bibliography, 17411

Color codes:

ammunition, military standard, 16467

color-coded sleeve shutters, use to accelerate oscillograph channel selection, 17991

Color it green with trees, 5676

Color perception, Farnsworth Lantern, use in Navy tests 1955-65, performance record, 16845

Colorado:

area measurement report, 5809

ash flows and related volcanic rocks associated with Creede caldera, 8166

census of agriculture, 1964, State and county statistics, 12092

census of mineral industries, 1963, area statistics, 5824

central—

camper and campground characteristics, cost implications, 14113

high mountain watersheds, sediment yields, 2332

climatological data, 3096

county business patterns, 170, 13366

Cripple Creek district, distribution of gold, tellurium, silver and mercury, 9571

early Indian tribes of Lower Plateau, 6437

electric rate book, 1052

Green River formation, geology and fuel resources, 12610

High Plains, ground water development, 4893

hydrologic performance of floodwater-retarding structures during storms of June 16-17, 1965, report, 14651

indicators and associated decay of Englemann spruce, 6371

lodgepole pine, yield tables for managed stands, 11140

mineral industry, minerals yearbook chapter, 8345

Colorado—Continued

plateau region, Morrison formation, petrology, 12613

ponderosa blue-bunchgrass range, effects of cattle grazing, 14764

ponderosa pine zone, cattle diets on native and seeded ranges, 6369

postal map, 15652

precipitation data, hourly, 3401

radioactivity, airborne, 1952-55, maps, 1802

retrocede jurisdiction over Fort Lyon Veterans Hospital to—

law, 368

report, 898

sedimentary rocks, chemical composition, 14172

shale oil specific gravity from Green River formation, stratigraphic and geographic variation, 2587

soil survey laboratory data and descriptions, 14659

spruce-fir clearcuttings, stocking of reproduction, 2314

ternary diagrams of quartz-feldspar content of pegmatites, 1111

water supply outlook—

and snow surveys, 4045

early season snow report, 5519

special snow report, 15750

Colorado National Monument, general information, 6978

Colorado River and Valley:

authorize Central Arizona project, report, 13826

basin, surface water quality, 11192

boundary waters, loan, agreement with Mexico, 2914

storage project—

Curecanti storage unit, general information, 11770

general information, 13102

10th annual report, 6055

print as Senate document, report, 6084

water supply outlook and snow surveys—

drainage basin, 4045

lower basin, 4044

watershed conditions affecting water supply, 3922

Colorado River Basin project, construct, etc., hearings, 9162, 10851

Colorado River storage project:

Navajo Dam and Reservoir, technical record of design and construction, 7103, 8667

Colorectal polypoid lesions, 14772

Colored minorities and present British policies, 9747

Colorimetry:

automated urinalysis technique determines concentration of creatine, etc., 14437

transmission characteristics of autoanalyzer filters, determination, 7352

Colors, *see* Color.

Colton, Calif., ground water, patterns of subsurface flow, 1118

Columbia, S.C., Veterans Administration hospital, operation, hearing, 13718

Columbia Basin project:

Banks Lake, recreational costs to be non-reimbursable—

hearing, 7811

report, 9264

general information, 18195

Columbia County, Pa., soil survey report, 11804

Columbin River and Valley:

basin, water pollution and other related fields, inventory of research, 15254

fish passage report, Bonneville, The Dalles, McNary and Ice Harbor Dams, 13974

flood season flow near The Dalles, 3907

- Columbia River and Valley—Continued
lower basin, surface water quality, 11192
monthly mean discharge at gaging stations
and change of storage in lakes, etc.,
3907
power system, annual reports, 10324-325
storage in major power reservoirs, monthly
report, 3907
water supply outlook and snow surveys,
4052
- Columbium, *see* Niobium.
- Columbus, Ohio, area wage survey, 6607
- Columbia National Wildlife Refuge, mammals,
list, 8030
- Colville Reservation:
Confederated Tribes, Federal supervision,
termination—
hearing, 12410
report, 15123
- Colville River and Valley, coal resources of
Cape Lisburne-Colville River region, Alaska,
15306
- Comanche County, Okla., soil survey report,
15746
- Commandra, grazing and comandra blister rust,
14127
- Comatulids, suborders Oligophreata and Macrophreata, monograph, 14528
- Combat:
readiness—
4th Infantry Division, Fort Lewis, Wash., 5th Infantry Division (mechanized), Fort Carson, Colo., 1st and 2d Armored Divisions, Fort Hood, Tex., subcommittee report, 2105
101st Airborne Division, Fort Campbell, Ky., etc., subcommittee report, 4629
status and readiness of United States Atlantic Fleet, report, 10812
team training, 18109
- Combat (fishing vessel):
exploratory collection made in southwestern North Atlantic, 1956-60, correction,
8035
- Combat areas, theater of operations air bases, planning and design, Air Force manual, 1727
- Combat command, barbed wire command, 14796
- Combat vehicles, *see* Motor vehicles.
- Combination spacer and gasket provides effective static seal, 2630
- Combustion:
charring rate of wood, review of information, 8059
Combustibility of materials in oxygen-hellum and oxygen-nitrogen atmospheres, 5706
incineration in cylindrical combustion chamber, experimental studies, 9763
instability, dynamic response of gaseous-hydrogen flow system and application to high-frequency combustion instability, 12953
nonconstant area, and mixing in ramjet and rocket ramjet hybrid engines, analysis, 1478
oxidizer-rich oxygen-hydrogen characteristics, preliminary investigation, 2708
rocket, gaseous-hydrogen-liquid oxygen at supercritical chamber pressures, 17001
transverse-mode solid-propellant combustion instability in vortex burner, 1511
underground, oil-recovery experiments in Venango second sand, Keno pool, Venango County, Pa., 11372
- Combustion chamber struts can be effectively transpiration cooled, 6805
- Combustion products, emitted by nitrogen tetroxide disposal unit, study, 11515
- Combustors:
liquid-oxygen and gaseous-hydrogen, chugging instability, 11547
- Combustors—Continued
transverse-mode solid-propellant combustion instability in vortex burner, experimental investigation, 1511
- Comintern, *see* Communist International.
- Commager, Henry S., testimony, 6100
- Command (military):
information processing systems, human factors research, 119
see also Combat command.
Command and staff action, 2533
Command processors, 14479
Commanders digest (periodical), 3105
Commemorative medals, *see* Medals.
Commemorative stamps, *see* Postage stamps.
- Commerce:
agricultural trade development and assistance act of 1954, Library of Congress project newsletter, 3507
Alaska trade study, 15243
automotive products, trade agreement with Canada, 2924
commerce and foreign trade, code of Federal regulations, 12523
Commerce business daily, 3107
commerce passing through canals at Sault Ste. Marie, Michigan, and Ontario, salt water ship movements, statistics, 9423
commercial holidays abroad, list, 9601
East-West relations, recent developments, bearing, 4533
East-West trade—
Battle act, report, 7147
issues (address), 10099
U.S. policy (remarks), 12127
European Economic Community, agricultural trade, 1959-64, statistical reference, 2174
foreign agricultural trade, 4100
by commodities, 6174, 13951
by countries, 10927, 16495
monthly, 3343
foreign business practices, 9602
foreign market reports service, listing, 12653
foreign trade—
FT reports, 3351-59, 3987, 3995, 3998-4006, 4362, 8956-59, 8961, 10399, 12087-89, 14836, 17441
future of U.S. policy—
hearings, 16146
subcommittee report, 16147
issues and objectives of U.S. policy, statements, compendium, 16148
peaceful engagement with the East (address), 234
removing barriers (address), 16096
role in U.S. economy (address), 16098
sell your products with business proposals carried abroad by U.S. trade missions, 6466
United States, 1960-66, annual, 14881
United States 1965 and 1966, preliminary, 7579
foreign trade regulations—
Angola, 7574
Arabian Gulf States, 17480
Bahamas, 7576
Barbados, 9019
Bermuda, 9017
Brazil, 17479
Central America Common Market, 17478
Chile, 17482
Columbia, 16100
Dominican Republic, 4442
Ecuador, 16101
Finland, 17481
Ghana, 4432
Guyana, 230
Haiti, 13457
India, 9014
Iran, 17474
Israel, 9020
Korea, Republic, 16106
Malaysia, 13458
Mozambique, 4437

Commerce—Continued

foreign trade regulations—continued
 Netherlands Antilles, 13460
 Paraguay, 4446
 Sierra Leone, 12135
 Somali Republic, 12137
 Surinam, 4441, 12134
 Turkey, 12136
 Zambia, 10459
 foreign trade statistics—
 country designations, code classification, schedule C, 4358, 5849
 regulations, compilation, 8960
 U.S., classifications and cross-classifications, 17440
 U.S. districts and ports, code classification, schedule D, 4359, 8936
 future international meetings, world list, 4074
 future U.S. world trade policy (address), 18218
 international agricultural trade, terms used, 9524
 international commerce (periodical), 3434
 supplements, 2417, 17853
 international trade (addresses), 6300, 7571, 8224, 10455-456, 10466, 14663
 international trade, encouragement, convention with Trinidad and Tobago—
 hearing, 17651
 message from the President, 6063
 report, 17620
 interstate—
 establishment of fair labor standards in employments, 2970
 fresh potatoes purchased or sold in interstate commerce, require to be labeled according to State in which grown, hearing, 17649
 interstate commerce act—
 amend
 hearings, 947, 16399
 law, 508
 reports, 890, 16374
 annotated—
 advance bulletins, 2987
 1962 supplement, 6475
 interstate taxation act, reports, 9084, 13682
 laws, compilation, 1990
 publications, price list, 7053
 interstate or foreign, abusive and harassing telephone calls, amend communications act—
 hearings, 10826
 reports, 4582, 9294
 intoxicating liquors, require interstate shipments be accompanied by bill of lading, amend U.S. Code, report, 16254
 lake, passing through canals at Sault Ste. Marie, Mich. and Ontario, 6208
 overseas, sample display service, new way to find agents and distributors, 4923, 14207
 Pacific Northwest forest industries, trade, 3774
 publications, price list, 5418
 Scandinavia today, billion dollar U.S. market, 9603
 steamship lines in foreign commerce of U.S., approved conference, rate and interconference agreements, 3037, 16576
 summaries of trade and tariff information, 7203, 8765, 18237
 technology and world trade for economic development, symposium proceedings, 8520
 trade agreements with—
 Canada, 17247
 Great Britain, 15803
 Japan, 15802
 trade and investment in developing countries, report, 9026
 trade expansion act of 1962, legislative history, 7761

Commerce—Continued

trade expansion program of American Steamship Lines Committee (remarks), 10467
 trade winds, good trade like good winds make for easy sailing (address), 17483
 U.S. commercial exhibitions, how to photograph, 7566
 U.S. trade policy, task after Kennedy Round (address), 2936
 United States oceanborne foreign trade, 1966 review, 17909
 United States position in world trade (statement), 17854
 United States trade with—
 Communist areas in Eastern Europe and Asia, 16108
 Puerto Rico and U.S. possessions, monthly report, 3359
 major world areas, 1942, 4436, 10460
 waterborne transportation, inter-American convention, report, 6065
 waterborne, U.S. life lines, impact on American industrial productivity, 8574
 world agricultural trade, Brazil's position, 17713
 world trade—
 recent developments (remarks), 1953
 tallow & greases, 4817
 technology and world trade (remarks), 1958
 through open markets (remarks), 1654
 see also Imports—Navigation—also certain headings beginning Commercial—also names or classes of articles of commerce—also names of countries and places.
 Commerce Committee, Senate :
 calendar, 3492
 committee prints, 10828, 16404
 hearings, 945-948, 2109-12, 4634-36, 6093-95, 7802, 9310, 10823-827, 12403-406, 13850-856, 15153, 16398-403, 17645-649
 investigations and studies, authorization, report, 6077
 reports, 887-892, 4377, 4582, 4585, 9294, 10756, 10758, 10760-764, 12367-368, 12378, 13825, 15065, 15084, 15103, 15107, 15143, 16374, 17628, 17632
 Commerce Department :
 activities, 17484
 activities, accomplishments, etc. (remarks), 4427
 agency of business, promotes economic growth, guidebook, 5963
 annual report, 7562
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 report, 10616, 16372
 Assistant Secretary, nomination of—
 McQuade, Lawrence C., hearing, 13855
 Shaw, William H., hearings, 6094
 audit activities, efficiency, etc., GAO review, 14158
 Boulder laboratories, general information, 16097
 cooperative offices, partners in progress, 1948
 maritime functions, transfer to independent administration—
 hearings, 16335
 maritime functions, transfer to independent administration
 reports, 15009, 16278
 marketing and distribution, objectives (address), 245
 marketing services to and for business (address), 1825
 meeting with officials, hearings, 9150
 new role in marketing (address), 227
 news, 16477
 press releases, 3713

INDEX 1967

Commerce Department—Continued
 primary agency of Government responsible for dealing with business and business problems (address), 142
 promotes economic growth, 17484
 publications, 1965, supplement, 4454
 role in urban economic revitalization (address), 16479
 Secretary—
 ex officio member of American Revolution Bicentennial Commission, 13681
 nomination of Alexander B. Trowbridge, hearing, 12406
 transfer certain functions relating to ship mortgages—
 hearings, 9159, 10849
 message from the President, 7598
 State Technical Services Office, annual report, 7572
 telephone directory, 16110
 Commercial aviation, *see* Air carriers.
 Commercial banks, *see* Banks and banking.
 Commercial fisheries, *see* Fish and fisheries.
 Commercial Fisheries Bureau:
 annual report, 4807, 15266
 appropriations, 1968, hearings, 7734
 biological laboratories—
 Beaufort, N.C., tagging summary of American shad, and striped bass, 8037
 Galveston, Tex., report, 17773
 Gulf Breeze, Fla., report, 14055
 graduate educational grants, 17774
 new publications, monthly list, 3577
 region 2, exploratory fishing and gear research, report, 2275
 Technological Laboratory, Pascagoula, Miss., reports, 4801, 16620
 Commercial policy:
 Kennedy Round, trade policies, hearing, 7805
 our future trade policy, quotas or competition? (address), 18220
 trade policy and problems (remarks), 11886
 Commercial practices, code of Federal regulations, 6274-75
 Commercial products:
 census of business, 1963, merchandise line sales, retail trade, statistics, bound volumes, 5818, 8931, 10341
 commodity classification for transportation, statistics, 13352
 commodity transportation survey, census 1963—
 commodity groups, 1856, 7472
 shipper groups, 1855
 shipper groups and production areas, 7473
 domestic merchandise, U.S. exports, 1965 statistics, 8961
 exports—
 foreign trade reports, 3354-55, 8959, 12087-89
 statistical classification, schedule B, 1857, 3849, 5895-97, 7474
 imports—
 foreign trade reports, 3351, 8956-59, 14836
 Puerto Rican shipments, commodity classification, schedule P, 10386
 markets for U.S. products—
 Chile, 2417
 Taiwan, 17853
 merchandise—
 exports, summary reports, 4005
 imports, summary reports, 4006
 potential demand, 1970 projections, 2508
 product standard PS (series), 5285-87, 6918-19, 11586-587, 12988, 17037
 product standards of Shanghai Municipal Bureau of Machine and Electrical Industries, Communist China, 12759
 products list circular, new products development for small business, 3775
 rail revenue contribution by commodity and territory, 8234

Commercial products—Continued
 sell your products with business proposals carried abroad by U.S. trade missions, 6466
 tariff treatment of articles assembled abroad of products of U.S., law, 510
 technology and your new products, 13118
 transporting merchandise to southeastern Alaska in part over Canadian highways, exempt from Merchant marine act, report, 15107
 USSR consumer goods and domestic trade, translations, 3970
 Vietnam commodity import program, followup investigation, report, 14997
see also names of products.
 Commercial standards, *see* Standards and standardization.
 Commercial treaties:
 economic relations with—
 Thailand, report, 15063
 Togolese Republic, treaty, 8743
 trade agreement with Argentina, 2918
 trade agreements and adjustment assistance programs, code of Federal regulations, 11046
 trade agreements program, 1965, report—
 departmental edition, 5404
 document edition, 4469
 trade agreements, program operations, July 1963-June 1964, report, 5564
 trade expansion act of 1962, legislative history, 7761
see also General agreement on tariffs and trade.
 Commercial warehouse service plan for Department of Defense agencies, 15182
 Commissaries, stores, grocery department operations, technical manual, change, 7396
 Commission for Educational and Cultural Exchange between United States of America and United Arab Republic, agreement, 11870
 Commission for Educational Exchange between United States and Brazil, agreement, 11837
 Commission on Balanced Economic Development, *see* Balanced Economic Development Commission.
 Commission on Government Procurement, *see* Government Procurement Commission.
 Commission on Pennsylvania Avenue, *see* Pennsylvania Avenue Commission.
 Commission on Revision of Criminal Laws of District of Columbia, establish, hearings, 10644
 Commissioned officers, *see* Coast Guard Reserve—Public Health Service.
 Commissioners, *see* United States commissioners.
 Commissioners of District of Columbia, *see* District of Columbia.
 Commissions, *see* names of commissions.
 Commitment for progress, the Americas plan for decade of urgency, 11828
 Committee on Education, President's Commission on Status of Women, report, excerpts on counseling and guidance, 7236
 Committees:
 county ASCS employees, extend benefits to—
 hearings, 10870, 17609
 report, 13807
 safety committee activities, 9715, 16806
see also Congressional committees.
 Commodities, *see*, Agricultural products—
 Commercial products—*also* names of commodities.
 Commodity Credit Corporation:
 acquisition and disposal by CCC of farm commodities, 19
 appropriations, 1968, hearings, 10629
 audit report, 7611
 corn marketing, impact on small business, report, 668

Commodity Credit Corporation—Continued
cotton inventory management, GAO follow-up review, 15297
financial condition and operations, 3819
financial statements, GAO examination, 8132
grain, comparison of costs of storing on farm with rates paid for such storage, GAO report, 2342
operations, June 30, 1966, graphic summary, charts, 9027
orderly liquidation of stocks of agricultural commodities held by CCC, etc., 5665
rice marketing excess, delivery to, report, 16369
sale of grain storage facilities, law, 12159
sales list, monthly, 3083
savings if interest costs on repaid price-support loans and storage facility and equipment loans are recovered, GAO report, 16678
statutes, compilation, 7262
wheat export program, GAO review, 14159
wheat marketing allocation program, need to further revise regulations to minimize loss to Government, 1100
Commodity Exchange Authority, appropriations, 1968, hearings, 10629, 12397
Commodity exchanges:
act, amend—
hearings, 16302
reports, 16297, 17582
code of Federal regulations, 12524
commodity futures statistics, July 1965-June 1966, 4146
Common carriers, *see* Communications.
Common Market, *see* European Economic Community.
Commonwealth Parliamentary Association conference, Ottawa, Canada, report of U.S. delegation, 4637
Communicable Disease Center, Bureau of State Services, accounting system, review, GAO report, 1101
Communication (psychology):
communicating by language, speech process, conference proceedings, 7061
Communications:
act of 1934, amend—
hearings, 10824, 10826, 13710, 16400
reports, 4582, 9294, 10756, 14980, 16245
aeronautical, ATS handbook, 2991
Air Force, officers jobs, types, 15892
Alaska earthquake, Mar. 27, 1964, effects on transportation, communications, and utilities (series), 6402, 12600
Alaska, long-lines facilities, Government-owned, disposal—
hearings, 16307
reports, 10747, 16262
antimechanized operations, Fleet Marine Force manual, 16841
automated, AF manual, 10218
cable communication lines, USSR book excerpts, 15392
career opportunities, State Department, world-wide assignments, 5524
carriers, discontinuance of service, FCC rules and regulations, 3279
channels, monitor assures availability and quality, 8460
circuits, spare, Government-owned in Europe, use by Defense Dept., GAO report, 16672
common carriers—
and affiliates, reports, FCC rules and regulations, 3279
miscellaneous rules, FCC rules and regulations, 3279
preservation of records, FCC rules and regulations, 3279
statistics, 7935

Communications—Continued
electronics activities—
basic C-E concepts and relationships, manual, 10217
commercial services for Air Force, manual, 4164
facility and system planning, 10219
terminology, Air Force manual, 8856
electronics, principles and applications of mathematics, technical manual, change, 15953
electronics reference data, Army field manual, 4164
equipment—
current industrial reports, 5856
Federal item identification guides for supply cataloging, supplements, 3289
facilities between Alaska and U.S. mainland, savings from more economical use, Air Force Dept., GAO report, 15301
Federal Communications Commission rules and regulations, transmittal sheets, 3279
industry wage survey, 6604
information transmission systems, quantum effects, 18057
maintenance of air-ground facilities, FAA handbook, 10980
modern communications and foreign policy, report, 10623
personal communication system combines high performance with miniaturization, 11456
problems of information transmission (USSR periodical), 3772
radio science (periodical), 3803
satellite—
act of 1962, report on activities, etc., message from the President, 9066
bibliography, 11433
Government use, 1967—
hearings, 13707
report, 15000
passive, orbit position control, handbook, 11398
Syncom engineering report, 11556
scientific and technical, U.S. Government, progress, 6244
system and depots in metropolitan France, agreement with France, 5551
use of Federal Aviation Agency systems, FAA regulations, 11004
USSR—
herald of communications (periodical), 3397
translations, 3969
see also Electronics—Military communications—Radio communication—Space communications—Telecommunication—Telephone.
Communications relay equipment operator, *see* Electronics mechanics.
Communicator, National Conference on Air Pollution, 3594
Communism:
Bolshevization of Islam, 6496
building of communism and world revolutionary process, USSR study, 12715
Caribbean threat to U.S., hearings, 957, 12125, 7816
Communist Party representatives of Arab countries, conference resolutions, 12718
Communist world in 1967, hearing, 6101
contemporary international Communist workers, and national-liberation movement, USSR studies, 5003-4
cybernetics in service of, information theory, computer technology, and semiotics, 12742
insurgent infrastructure in South Vietnam, organization and strategy, 13298
international developments, translations, 3960
Latin America, activities, 1967—
hearings, 12298
report, 12285
Leninist norms of party life, 1258

INDEX 1967

Communism—Continued

- Mao's cultural revolution, review by USSR's Literary gazette, 12760
- organizations, registration, etc., amend internal security act, report, 16290
- peaceful engagement with the East (address), 234
- problems (periodical), 3771
- religion, Communist exploitation, hearing, print additional copies, report, 12371
- scientific principles, USSR study, 12682
- Soviet propaganda, techniques, 12322
- print as Senate document, report, 12372
- USSR, Communist (periodical), translations, 3947
- Vietnam, Communist-directed forces, 8715, 13137
- world movement, 1818-1957, selective chronology, 12206
- print as House document, reports, 10593, 10787
- world strength of Communist Party organizations, 13155
- see also Un-American activities.
- Communist China, see China.
- Communist International, activities of Third International, Polish discussion, 5007
- Communist Party of Bulgaria:
 - and development of natural sciences, 9th congress, 2465
 - 9th Congress, hydrometeorological service tasks discussed, 11253
 - organizational fundamentals, principles and standards of party life, 6566
- Communist Party of France, social composition and evolution, 9651
- Communist Party of Iraq, Communist movement in Iraq, translation, 14261
- Communist Party of Poland, 3d international activities, discussion, 5007
- Communist Party of Soviet Union:
 - Leninist norms of party life, 1258
 - 23d Congress, on struggle against imperialist ideology, USSR study, 9654
- Communist Party of Ukraine, general progress of Ukraine under Soviet power, central committee review, USSR study, 6576
- Communist Party of United States
 - Communist origin and manipulation of Vietnam Week, Apr. 8-15, 1967, report, 7757
 - Soviet pawn, 6114
- Communities, see Cities and towns—Rural communities.
- Community and family service for civil defense, 16050
- Community centers, national fallout shelter design competition, awards, 16060
- see also Recreation centers.
- Community development and civil defense, 16059
- Community development programs:
 - community action programs—
 - amendments to economic opportunity act, narrative summary, 9382
 - directories, grantees, 982, 7873, 10906
 - management information reporting by community action agencies, quarterly report, 13939
 - declaration of objectives for older Americans, is your community ready?, 10145
 - district act of 1966, rural America, planning of public services, etc., reports, 622, 10748
 - Federal assistance programs, catalog, 12447
 - Federal-State programs for developing community resources, 6248
 - films, filmstrips, slides, and audio tapes, bibliography, 11204

Community development programs—Con.

- Head Start child development programs, how to apply for, instructions, 6163
- manual of policies and instructions, 16483
- homes, etc., publications, price list, 7057
- Peace Corps, 5375
- Small Business Administration, loans under 502 program, 11789
- smaller communities program brings industries and jobs to rural areas, 2195
- understanding war on poverty, public affairs handbook, 13940
- workable program for community improvement, citizens advisory committees, guide, 9579
- Community facilities:
 - and Public Health Service hospitals, cooperative activities—
 - hearings, 12305, 17670
 - reports, 16230, 16247
 - care of mentally ill, annotated bibliography, 1590
 - centers with fallout shelter as dual-purpose space, Brooklyn architects competition, awards, 7529
 - enriching community life, Federal assistance program for neighborhood facilities, 2380
 - mental health centers, hold new approach, 13070
 - film announcement, 17138
 - mental retardation facilities, extend, etc., laws—
 - hearings, 10659, 17666
 - reports, 14971, 16246
 - mentally retarded, progress report, 14629
 - neighborhood service centers, services offered, problems, etc., 5595
 - see also Public facilities.
- Community health, see Health.
- Community life:
 - community involvement in civil defense, suggestions by American National Red Cross, 16051
 - community planning for health, education, and welfare, bibliography, 16540
 - senior citizens month 1967, guide to community action and year-round activity, 8802
 - see also Neighborhoods.
- Community planning for nursing in District of Columbia metropolitan area, 18158
- Community relations, one million dropouts, Sputnik of 1967, people willing to help, 17721
- Community Relations Service:
 - annual report, 10472
 - appropriations, increase, message from the President, 12199
 - CRS media relations, informational monitoring service, 3165
 - press releases, 3714
- Community surveys:
 - Atlautida, case study in household sample surveys—
 - content and design of household surveys, Spanish edition, 5898
 - distribution and receipt of material, 1885
 - editing and coding, 4360
 - field operations, instruction manuals, 182
 - population data controls, Spanish edition, 5899
 - survey objectives and description of country, Spanish edition, 7496
 - tabulation process, 7497
 - workbook for case study, 10387
- handicapped workers, challenge of employment barriers, 1968 report theme contest, 11th and 12th grade students, announcement, 15667
- wages, 6615

- Community work and training program, message from the President, 7606
- Commutators, current steering commutator offers versatility, 18005
- Commuter railroad cars, *see* Railroad cars.
- Compact (Interstate), *see* Interstate agreements.
- Companies:
 acceptable as sureties on Federal bonds, list, 15811
 engaged in dual distribution, require disclosure of separate annual operating data, etc., hearings, 6115
 filing annual reports with SEC, directory, 13112
- Comparative decay resistance of heartwood of native species, 8065
- Comparators, thermoelectric metal comparator determines composition of metals and alloys, 8387
- Compare, Cicili, relief of children, 610
- Comparison of recent projections of United States population, 11792
- Compartments, pools, and spaces in medical physiology, symposium, 15959
- Compatibility, biaxially stressed D-43 alloy with refluxing potassium, 11422
- Compendium of medical advertising, 14074
- Compensation, *see* Employers' Liability and workmen's compensation—Salaries—Wages.
- Competition:
 air transportation industry (talk), 7519
 are planning and regulation replacing competition in new industrial state? hearing, 16438
 drug industry, problems, present status, hearings, 16436, 17677
 oil shale development, competitive aspects, hearings, 17659
- Competitive position of U.S. farm products in Japanese market, 995
- Compilation of treaties and agreements of interest to Navy, 11291
- Compliance officer's manual, handbook of compliance procedures under title 6 of civil rights act of 1964, 1906
- Composite bulkhead fabrication development, 6752
- Composite materials:
 analyses of composite structures, 2602
 coating or plastic compositions, classification definitions, 8605
 discontinuous-fiber composites, metallurgical and geometrical factors affecting elevated-temperature tensile properties, 8498, 14451
 filamentary, high-performance, Air Force basic research, 15890
 industrial evaluation of radiation processed wood-plastic composites, 5780
 JT graphite, oxidation, static, subsonic, and supersonic tests, 18053
 new metal and metal-ceramic composites, 5194
 phenolic nylon, effect of composition on ablative performance, 9889
 porous metal and solid lubricants increase bearing life, 6742
 space vehicle application, investigation, 12861
 thermal and mechanical properties of non-degraded and thermally degraded phenolic-carbon composite, 16917
 tungsten-fiber-reinforced copper stress-rupture and creep properties, 17002
 weld rod corrects individual filler weaknesses, 9862
- Compositors, *see* Printers.
- Compound interest tables for long-term planning in forestry, 13212
- Compounds, new class, has very low vapor pressures, 12838
see also names or classes of compounds, or purpose for which used.
- Comprehensive care services in your community, 5426
- Comprehensive export schedules, 3127, 8223
- Compressed air medicine, *see* Medicine.
- Compressed gases, *see* Gases.
- Compressibility, Burnett apparatus, PVT data, method for treating, 16863
- Compression processors, *see* Processors.
- Compression tests of open-face truss-core sandwich panels, 5255
- Compressive behavior of plates fabricated from glass filaments and epoxy resin, 9895
- Compressors:
 Air, trailer-mounted, rigging for airdrop, 15951
 axial-flow, inlet stages under high loading, aspect ratio and curvature variations, 9916
 blade vibration, reduced by wire material, 6824
 Burnett compressibility apparatus, PVT data, method for treating, 16863
 current industrial reports, 4337, 17434
 Federal item identification guides for supply cataloging, supplements, 3288
 numeric and alphanumeric algorithms, solid system, 14519
 parametric study of advanced multistage axial-flow, 11419
 reciprocating, rotary, and centrifugal, Federal item identification guide, 13916
 rigging 210 CFM Davey, trailer-mounted air compressor, Army technical manual, 113
 single-stage axial-flow, contribution of downstream stator to interaction noise, 9882
- Compton effect, internal, 1430
- Comptroller General, *see* General Accounting Office.
- Comptroller of Currency:
 nomination of William B. Camp, hearing, 4632
 regulatory authority, strengthen—
 law, 409
 reports, 666, 674, 691
 report, 1965-66—
 departmental edition, 9028
 document edition, 9050
- Comptrollers, Air Force comptroller (periodical), 15879
- Compulsory education, attendance, State laws, summaries, etc., 2191
- Computational procedure for finite difference solution of one-dimensional heat conduction problems reduces computer time, 2675
- Computations, *see* Numerical calculations.
- Computer operators, examination announcement, 14857
- Computer program utilizes FORTRAN IV subroutines for contour plotting, 16958
- Computer technicians, examination announcement, 14857
- Computers:
 and administrative efficiency, USSR study, 6506
 automatic control, industrial application, 6509
 computer specialists, computer programmer, computer systems analyst, examination announcement, 13441
 electrocardiography and public health, report of recent studies, 11723
 engineering, education problems, 1324
 fluid digital computation systems, feasibility study, 12907
 French, Soviet views, 1270
 naval weather service computer products manual, 15618
 technology—
 cybernetics in service of Communism, USSR studies, 12742
 in Czechoslovakia, 15409
see also Electronic computers.
- Computing machines, *see* Calculating machines.

INDEX 1967

- Comstock, G. L., dimensional changes in kiln-dried softwood lumber after surfacing and during storage, 2300
- Concentrated foods, *see* names or classes of foods.
- Concentration measurements of injected gas in supersonic stream, 8489
- Concepcion Garcia, Carlos V. De La, relief, 9252, 13491, 13596
- Conceptual design of 250 MGD desalination plant, 2396
- Conceptual design study of 50 million gallon per day MSF desalination plant and test module, 8216
- Conceptual design study of one million gallon per day MSM desalination plant-replacement for demonstration plant no. 2 at Point Loma, San Diego, Calif., 15330
- Concert and conciliation, next stage of Atlantic alliance, 18232
- Concessions, National Zoological Park, negotiate cooperative agreements granting, law, 476
- Concrete:
and concreting materials exposed to natural weathering, performance, investigation, 6214
brick and block industry, work injuries and accident causes, 16813
cement performance in concrete, 16528
field sonoscope tests, 10-year summary of results, 7934
incinerator, building plan, 4124
mass, containing 3- and 6-in. maximum size, crushed limestone coarse aggregate, comparison of properties, 4745, 6216
pavements—
emergency construction, standard practice, Army technical manual, 1769
nondestructive testing, evaluation of Dynaflect, 16524
placements in building construction projects, inspection controls, Public Buildings Service, GAO review, 11153
post-stressed foundation may reduce machinery vibration, 15489
prestressed, beams, durability and behavior, investigation, 9424
prestressed concrete reactor vessel—
model 1, 13320
model 2, 13321
prestressed concrete vessel for boiling-water reactor, 13319
reinforced—
slabs, influence of reinforcing details on yield line pattern and ultimate load carrying capacity, 17736
supports for overhead lines, 6536
St. Lawrence Seaway, investigation of concrete in locks, 13987
stem for access hole, Project Pre-Schooner, design, etc., 17395
strengths and air contents, freezing and thawing tests, 13986
structural design for buildings, Army technical manual, 7391
surfaces—
deteriorous effects of form lumber on, 13988
formed, reducing size and number of voids, methods, 16529
vibration, review of literature, 13985
winter construction practices, earthwork, survey, 98
wire bar supports for reinforced concrete construction, standard of trade, 6919
workability, measuring by vibrating slope method, 4742
see also Masonry.
- Conde, Augusto J. Fernandez, *see* Fernandez-Conde, Augusto J.
- Condello, Angiolina, relief, 10537, 13479, 13737
- Condensation:
condensing mercury flow in 0- and 1 G environments, photographic study, 12929
- Condensation—Continued.
freon-113 condensing in downward flow in vertical tube, local heat-transfer and pressure distributions, 11510
high velocity steam within tube, local heat-transfer coefficients and static pressures, 9911
mechanisms, research, 1140
- Condensed milk, *see* Milk.
- Condenser tubes, *see* Tubes.
- Condensers (vapors and gases):
steady-state performance of potassium condenser, 12937
steam, industrial plant equipment handbook, 977
- Condom Valera, Jaime E., relief, 558
- Condominium housing, *see* Housing.
- Conduct of life:
Armed Forces—
code of conduct, Army pamphlet, 1764
U.S. fighting man's code, DoD pamphlet, 13286
Job Corps staff code, 9381
social usage abroad, guide for American officials and their families, 8712
- Conduction of heat, *see* Heat transfer.
- Conductivity (electric), *see* Electric conductivity.
- Conductors (electric), *see* Electric conductors.
- Conduits, fittings, Federal item identification guide, 15183
see also Electric conduits.
- Cones:
ablating conical teflon models, static aerodynamic characteristics, measured and computed, 11555
aerodynamic characteristics for cone-cylinder-frustum-cylinder configurations, 9804
blunt 120° configurations, low subsonic static and dynamic stability characteristics, 6893
boundary-layer transition on cooled 7.5° total-angle cone at Mach 10, 18021
high-drag bodies, aerodynamic drag characteristics, 9892
hypersonic viscous drag in rarefied flow, 12949
oscillating problem, solved in supersonic flow by small perturbation techniques, 6849
semiaxial angle 40°, reentry configuration, subsonic longitudinal aerodynamic characteristics, 2701
spherically blunted—
aerodynamic characteristics at Mach 20, 14488
with base flares, aerodynamic characteristics, 1486
viscous hypersonic flow past slender cone, 9927
see also names of conifers.
- Confectionery:
current industrial reports, 3169, 12069
manufacturers' sales and distribution, 7449, 10328
- Confederate records, Treasury Department collection, preliminary inventory, 18074
- Confederated Bands of Ute Indian Tribes, *see* Ute Indians.
- Confederated Salish and Kootenai Tribes of Flathead Reservation, *see* Flathead Indians
- Confederation of Canada, *see* Canada.
- Conference committees, reports, 628, 638, 645-647, 650, 652, 663-664, 672, 679, 681, 691, 701-702, 704, 706, 4502, 4504, 7673, 9081, 9110, 9134, 10563, 10611, 10614, 12252, 12255, 13629, 13657-658, 13667, 13672, 13689, 14946, 14963, 14987, 16244, 16251-252, 16261, 16265, 16277, 16284, 16287, 16291, 16300, 17573, 17576, 17580
- Conference of State Societies, Washington, D.C., chance name, report, 9132

Conferences, congresses, etc.:
 conferences in Soviet bloc (periodical), 3130
 future international meetings, world list, 4073-74
 international organization and conference series, 5528-30, 8719-20, 11830, 14679, 18232
 organizing and conducting cooperatives' annual meetings, 15234
 President's Committee on Mental Retardation, 1st meeting, 7047
 union conventions, 1967, list, 14306
see also names of conferences, etc.—*also* subject of conference.

Confessions (law):
 admissibility in evidence, hearings, 15166

Configurations:
 atmospheric probe, stability and drag characteristics at Mach numbers, 9894
 come, blunt 120°, low subsonic and dynamic stability characteristics, 6893
 cone-cylinder-frustum-cylinder, aerodynamic characteristics, linear load distributions, 9804
 configuration geometry, effects on supersonic aerodynamic characteristics of launch vehicle, 5239
 conical reentry, subsonic longitudinal aerodynamic characteristics, 2701
 diamond-cross-section delta-wing, hypersonic performance, 9884
 dual tandem, longitudinal aerodynamic characteristics in ground effect of large scale, V/STOL model with 4 tilting ducted fans, 18045
 4-propeller tilt-wing, ground effects over fixed and moving ground plane, 11504
 general, Apollo wind tunnel testing program, historical development, 2722
 highly redundant structural, improved computer program for elastic analysis, 17960
 jet pluming effects on static stability of ballistic bodies at Mach number of 6.00, 2691
 low-speed dynamic-model investigation of Apollo command module configurations in Langley spin tunnel, 14452
 memory word line configuration allows high storage density, 6780
 modifications, effects on aerodynamic characteristics of tension shell shapes, 14475
 paraglider, having large tapered leading edges and keel, free-flight drop-test 1475
 system enables dimensional inspection of very large structures, 14422
 variable-sweep wing-fuselage, effect of skewed wing-tip controls, 8487
see also Tension shells.

Confinement facilities, *see* Disciplinary barracks.

Congo (Brazzaville):
 background notes, 15759
 labor conditions, 1370

Congo (Kinshasa):
 agricultural commodities, agreements, 5535, 11840
 labor conditions, 1371

Congo (Léopoldville):
 agricultural commodities, agreement, 2886
 mineral industry, minerals yearbook chapter, 12800

Congress, Joint Committee on Organization of:
 continuation, reports, 4519, 4595
 hearings, 4459

Congress of United States:
 code of Federal regulations, 16586
 concern with research and development, bibliography, 4641

Congress of United States—Continued
 congressional record—
 daily, 3131-32
 89th Cong., 1st sess., bound volumes, 5965-66
 daily digest, 4456
 index, 9029
 89th Cong., 2d sess., bound volumes, 13470-471, 14883, 16113-118, 17485
 date of meeting, 90th Congress, law, 418
 directory—
 official edition, 90th Congress, 1st sess., 7586
 pictorial, 90th Congress, 5969
 District of Columbia representation, amend U.S. Constitution, hearings, 15044
 enactment of law, procedural steps, 13720
 joint activities, appropriations, 1968, legislative—
 law, 13537
 reports, 10617, 13672, 13813
 legislative reorganization act of 1946, amend, report, 10754
 legislative reorganization act of 1967, report, 4590
 major legislative actions, 90th Congress, 9047, 10494, 13548
 members, franked mail covers, amend United States Code, hearings, 17607
 monopoly problem, antitrust field, 1890-1966, history of congressional action, 4561
 organization, hearings, appendix, 4459
 reports to be made to Congress, list, 4485
 Republican report, 89th Congress, 2d session, supplement, 4572
 summary of legislative record and digest of major accomplishments, 89th Congress, 2d session, 767
 women of 90th Congress, biographies, 14728
see also Congressional documents—Senate.

Congress, Special Committee on Organization of, Senate:
 establish, hearing, 961
 extension, reports, 927S, 12374
 report, 4590

Congressional committees:
 hearings, Jan. 3, 1963-Jan. 3, 1967, index, 13472
 investigating staffs, payment of compensation, report, 7681
 Senate, list and assignments of Senators, 758, 9179
 Senate subcommittees, select, joint, and special committees, list, 7766

Congressional directory, *see* Congress of United States.

Congressional districts:
 90th Congress—
 atlas, 1858
 identification of counties and selected places, 4356, 16029
 population, 4301
 redistricted States, 183, 1886-88
 redistricting standards, establish, reports, 9121, 9126, 10793, 13657, 17573

Congressional documents, numerical lists and schedule of volumes, 89th Congress, 2d session, 10036

Congressional record, *see* Congress of United States.

Congressional serial set, 247-249, 1967-69, 4458, 7587, 10473-475, 12141-142, 16119-121, 17486-489
 schedule of volumes, 89th Congress, 2d session, 10036

Conifers:
 for western Iowa, 8107
 mixed clearcuttings, regeneration on Apache National Forest, Ariz., 11126
 regeneration in southeast Alaska, effects of slash burning, 4834
 snow damage to seedlings and saplings, 1091

Conifers—Continued

- young-growth mixed stands, clearcut harvesting costs and production rates, 4841
- Conjugate-pair feed systems, 5360
- Conkle, J. P., contaminants produced by man in space cabin simulator, 11955
- Conkle, M. Thompson, winter injury among white fir seedlings, 14107
- Conklin, Maxwell R., address, Oct. 4, 1966, 181
- Conklin, Paul, good day at Rough Rock, 9400
- Conley, Michael C., Communist insurgent infrastructure in South Vietnam, organizational strategy, 13298
- Conneaut, Ohio:
 - improvement of harbor, engineer report—departmental edition, 2208
 - document edition, 2000
- Connecticut:
 - area measurement reports, 7456, 10335
 - census of agriculture, 1964, State and county statistics, 7502
 - census of manufactures, 1963, area statistics, 1833
 - census of mineral industries, 1963, area statistics, 4282
 - cities, housing codes and their enforcement, 14852
 - county business patterns, 10347
 - electric rate book, 11019
- Connectors (electric):
 - abraded cadmium-plated cable, repaired by conversion coating, 6746
 - clamp provides efficient connection for high-density currents, 11469
 - connector for saturated standard cells, 11590
 - cracks in glass electrical connector headers removed by dry blasting with fine abrasive, 12886
 - edge-type, evaluated by electrical noise measurement, 11462
 - feed-through connector couples rf power into vacuum chamber, 8386
 - metal boot permits fabrication of hermetically sealed splices in metal sheathed instrumentation cables, 6700
 - plug-in connector socket accepts coaxial cable end, 5144
 - posts, splices and terminals, Federal item identification guide, 10892
 - soldering electrical connections, handbook, 15517
 - substituting gold for silver improves electrical connections, 15528
 - thermocouple-flexible cable connector insulator is highly reliable, 8403
 - use as quick coupling in coaxial cable applications, 6783
 - weld joint damage, test device prevents by eliminating axial pin forces on modules, 11970
- Connectors (tube):
 - orbital tube flaring system produces tubing connectors with zero leakage, 8454
- Connell, Michael L., paper, May 1966, 10049
- Conner, Alton R., relief, 829, 9260, 13503, 13568
- Conner, Caryl, plié please, 1011
- Connor, John T.:
 - addresses, etc.—
 - Sept. 28, 1966, 241
 - Oct. 27, 1966, 240
 - Oct. 28, 1966, 223
 - Oct. 31, 1966, 239
 - Nov. 3, 1966, 242, 1960
 - Nov. 15, 1966, 1957, 1959
 - Nov. 16, 1966, 1958
 - Nov. 22, 1966, 1954
 - Nov. 29, 1966, 1956
 - Nov. 30, 1966, 1937, 9010
 - Dec. 14, 1966, 4450
 - Dec. 19, 1966, 4449
 - Dec. 21, 1966, 1955
 - 1967 outlook and 1966 year-end economic review, 4430

Connor, Laurence N., Jr.:

- centered 1-dimensional unsteady expansion of—
 - reacting gas mixture subject to vibrational and chemical nonequilibrium, 6891
 - vibrationally relaxing nitrogen-oxygen mixture, 6858
- Connors, D. R., identification of fission product nuclides for radiological dose calculations, etc., 13349
- Connors, Mary M., effect of wavelength and bandwidth of red light on recovery of dark adaptation, 14318
- Connors Pass quadrangle, Nev., geology, 16694
- Conscription:
 - in pursuit of equity, who serves when not all serve? report of National Advisory Commission on Selective Service, 7045
 - local board memoranda, 3521
 - selective service—
 - act, compilation, 1993
 - act of 1967:
 - law, 13527
 - reports, 10608, 12246, 12555
 - classifications, taking appeals from, 15728, 17193
 - college qualification test, bulletin of information, 5486
 - extending draft authority, etc., recommendations, message from the President, 7605
 - manpower implications, hearings, 10862
 - program, evaluation, 11786-788
 - regulations, 3871
 - short course, 17192
 - selective service (periodical), 3870
 - universal military training and service act, amend and extend,
 - hearings, 9304, 10638
 - report, 10744
 - you and the draft, 13113
- Consells pratiques a l'intention des non-résidents, concernant les formalités douanières aux Etats-Unis d'Amérique, 13179
- Conservacion del suelo y del agua en el mundo, 14633
- Conservation, *see* Natural resources—Soil conservation—*also* subjects.
- La conservation du sol et des eaux dans le monde, 14633
- Conservation notes, 15255
- Conservation research reports, 10, 4088, 11923
- Consolazio, C. Frank:
 - energy, nitrogen, and water requirements of normal adults residing at 4300 meters for 28 days, 14806
 - metabolic aspects of acute starvation in normal humans—
 - performance and cardiovascular evaluation function, 121
 - ten days, 122
 - nutrition survey, Fort Huachuca, Ariz., 14807
 - respiratory function in normal young adults at 3475 and 4300 meters, 5753
- Consolazio, William V., dynamics of academic science, 14560
- Conspiracies, organizational conspiracies act, report, 16250
- Constitution of United States:
 - amendments—
 - District of Columbia representation in Congress, hearings, 15044
 - House of Representatives 4-year terms, hearings, 12417
 - investigation—
 - authorization, report, 4618
 - report, 10730
 - constitutional rights—
 - American Indian, hearings and investigations, summary report, 12414

- Constitution of United States—Continued
 constitutional rights—continued
 Investigation—
 authorization and expenses, report, 6069
 subcommittee activities, report, 15085
 protect Federal employees—
 hearings, 7822
 report, 15121
 constitutional separation of powers between executive, judicial, and legislative branches of Govt., study, authorization, report, 4621
 enforcement of establishment and free exercise clauses of 1st amendment, report, 10729
 our Constitution and Government. Federal textbook on citizenship, 12631-632, 14191, 15320
 text, 7593, 10691
 print as House documents, reports, 10588, 10784
 with analytical index, unratified amendments, 13533
 Constitution Week, bulletin, 14189
 Constitutional rights, see Constitution of United States.
 Construction, see Building—Building trades—
 Construction industry—
 Earthwork and structures—
 Installations (military)
 Roads and highways.
 Construction equipment, see Building machinery.
 Construction industry:
 construction activity, reports, 3134
 construction authorized, Washington, D.C., area, 3133
 construction reports, 3133-39, 4305, 5850, 8937, 14818
 heavy, work injuries and work injury rates, 17890
 labor standards provisions for Public Health Service grant programs, 8637
 projects, common situs picketing—
 hearings, 10648
 report, 10576
 safe work guides, 11302-306
 safety training programs, instructor outline, demolition, 1357
 under fair labor standards act, as amended, 2969
 USSR—
 plans improvements in production and technology, 8239
 trends, 4984
 Construction machinery, see Building machinery.
 Construction mechanic 3 & 2, Navy training course, 7013
 Consuls:
 convention with France—
 report, 16352
 text, etc., 9184
 convention with Soviet Union—
 hearings, 6103
 report, 6067
 foreign consular offices in United States, 10097
 U.S. despatches, microcopy, pamphlet to accompany, from Matamoros, 18060
 Consultants, safety in industry, instructor outline, consultative approach for safety promotion, 16797
 Consumer Advisory Council, consumer issues, report, 5405
 Consumer Affairs, Office of Special Assistant to the President for, see Special Assistant to the President for Consumer Affairs, Office of.
 Consumer and Marketing Service:
 appropriations, 1968, hearings, 10629, 12397
 C&MS series, 963, 2135-36, 6129-31, 7829-37, 9333-33, 10873-876, 16442-443
 Consumer and Marketing Service—Con. career opportunities, agricultural commodity grader, 9356
 costs of transporting donated commodities to State agencies, GAO report, 4872
 distribution of Government-donated food commodities in Pennsylvania, GAO report, 6381
 publications, available, 6129
 service and regulatory announcements, 964, 6132
 services for you, 1711
 USDA-C&MS visual aid series, 4662, 13901
 Consumer credit, see Credit—Installment credit.
 Consumer finance companies, see Finance companies.
 Consumer goods, see Commercial products.
 Consumer income, see Consumers—Income.
 Consumer interests, President's Committee on, see President's Committee on Consumer Interests.
 Consumers:
 better income for farmers, balanced abundance for consumers, 11938
 buying indicators, series, 1878, 5884, 14832, 16027
 buying intentions, automobiles, etc., 1878, 5884
 confidence through advertising (remarks), 241
 consumer issues, report, 5405
 consumer relations newsletter, 3146
 education, pennywise teenagers, 15215
 expenditures and income, 1960-61, tables—
 rural farm, 2522
 rural nonfarm areas, 2493
 urban, 2492
 urban and rural, total, 2494
 FDA radio-TV packet (periodical), 3804
 Federal consumer services, guide, 13064
 HUD consumer bulletins, 2384, 4901, 4903-4, 6422-28, 8197, 11199-203, 12623-624, 12626, 16708, 17838
 income, average family, 16026
 installment credit, slowdown, etc., 7997
 interests of the elderly, hearings, 9300
 price index—
 city average and selected items, 3143
 history and techniques, 2500
 selected items and groups, 3144
 short description, 15451
 technical notes, 15449
 protection—
 Government program (address), 6388
 how FDA works for you, 4815
 publications, list, 8206
 purchases of citrus fruit, juices, drinks, and other products (periodical), 3145
 response to various levels of advertising for fluid milk, 17322
 saving size and composition, 6304
 science and consumers, 15840
 service, USDA's report (periodical), 3873
 services for you from USDA's Consumer and Marketing Service, 1711
 Consumption (economics):
 selected materials consumed, 1963 census of manufactures, 4277
 see also Food.
 Contacts (electric), see Electric contacts.
 Contagion and contagious diseases:
 morbidity and mortality weekly report, 3585
 publications, price list, 2801
 Soviets concern, 6540
 Yugoslavia, current state of infectious diseases and organization problems in preventing and counteracting them, 15400
 Contagious pleuropneumonia still threat to U.S. cattle, 10190
 Containers:
 biochemical fluid containers, self sealing closure enables access, 14417
 closures, current industrial reports, 3169, 13358

Containers—Continued

- container developments in transportation industry (remarks), 16578
- containerization for coordinated intermodal system of transportation (remarks), 7968
- containerization problems and benefits (remarks), 7969-70
- coverings for liquified-gas storage containers, USSR study, 15403
- customs convention, report, 6066
- cylindrical, partially liquid-filled, axisymmetric vibrations, 12942
- elastic, liquid sloshing in, 16906
- Federal item identification guides for supply cataloging, supplements, 3287
- flexible, visual aids for inspection, 13901
- glass, current industrial reports, 3169, 12071
- industry report, 3147
- low-level radioactive waste, structural integrity, 8909
- metal, visual aid for inspection, 4662
- ocean transport capability, container/barge quandary (paper), 12785
- rigid and semirigid, visual aids for inspection, 13900
- seal-off assembly permits rapid evacuation of air, 1450
- standard acts of 1916 and 1928, repeal—hearings, 754, 4636
- report, 889
- standard sizes suggested by voluntary industry associations, role of Government, hearings, 17648
- triple wall and double wall fiberboard, AMC pamphlet, 4192
- see also types of containers.
- Contaminants:
 - microcontaminant studies in sealed environments, infrared spectrophotometry utilization, 8869
 - produced by man in space cabin simulator, 11955
 - trace, in water, analytical technique for characterizing, 15532
- Contamination:
 - americium-beryllium capsules, apparatus prevents contamination, 14366
 - analysis of samples by microwave spectroscopy for trace contaminants collected by space simulator, 5711
 - environmental testing of contaminant producing materials from integrated life support systems, 11416
 - trace contaminants contained in samples from closed environment at 258 mm.hg. analysis, 10234
 - traced contaminants in closed ecologic atmospheres, 7350
 - valve effectively controls amount of contaminant in flow stream, 6838
 - see also Air pollution.
- Contested elections:
 - Lowe vs. Thompson, dismissal, etc., report, 12270
 - Mackay vs. Blackburn, report, 12271
- Contests, see names of contests, or subjects involved.
- Continental Shelf:
 - Atlantic geologic background, 4889
 - drilling on continental margin off Florida (series), 15311
 - outer Continental Shelf lands act, regulations governing administration, 1019
 - scientific and industrial research problems, USSR study, 8278
 - seismic reflection profiles along drill holes on continental margin off Florida, 15311
- Contingency planning for U.S. international monetary policy, 4461
- Contract Administration Services, production manual, 16461
- Contract Appeals Board, decisions, 3427
- Contract Appeals, Corps of Engineers, Board of, see Engineers Corps Board of Contract Appeals.

Contractions, see Abbreviations.

- Contractor report NASA CR (series), 1419-36, 2595-2613, 5157-88, 6706-28, 8405-29, 9799-9820, 11396-422, 12847-876, 14371-401, 15497-512, 16890-920, 17933-947
- Contractors:
 - data and reports, management, 5702
 - how to do business with GPO, guide, 8186
 - interstate farm labor, registration, general information, 6203
 - NASA guidelines for evaluation of contractor accounting systems, 6705
 - see also Government contracts.
- Contracts:
 - exclusive territorial franchise bill, hearings, 7817
 - franchising agreements, effect on small business, hearings, print additional copies, reports 916, 2030
 - insurance, for medical care, recovery of excess funds accumulated, GAO review, 8145
 - see also Collective bargaining—Government contracts.
- Contributions of science and technology to Federal crime insurance, 16437
- Control (vehicle), see Aircraft—Airplanes—Motor vehicles—Satellites—Spacecraft—Wings (aircraft).
- Control apparatus for spectral energy source, 18004
- Control circuit ensures solar cell operation at maximum power, 9832
- Control of dynamics of 2-phase liquid-gas weightless medium with aid of surface effects, 11562
- Control of movements in man, 12690
- Control structure, Little Sioux River, Iowa, hydraulic model investigation, 7931
- Control systems:
 - and bionics, USSR study, 1323
 - attitude, equilibrium analysis and application to, 14499
 - attitude stability acted upon by random perturbations, 11399
 - automatic—
 - determining courses of study, 1017
 - frequency, responding to Doppler frequency shift, synthesis, USSR study, 16742
 - industrial application, 6509
 - regulation of problems in statistical dynamics, USSR study, 11244
 - searchless, adaptive variable structure, principle of construction, USSR study, 4933
 - specific requirements, USSR study, 4958
 - bypass air flow for supersonic mixed-compression inlet, analysis, 12946
- contractor data and reports, management, 5702
- cybernetics and control theory, USSR study, 5021
- cybernetics in system of control sciences, USSR study, 9660
- design using analog fluidic devices, 15955
- digital, adaptive, theoretical and experimental research, 5170, 14378
- electronic flight, lunar-landing research vehicle, operational experience, 1496
- engineering aspects of design via direct method of Liapunov, 5165
- environmental, for Project Mercury, technical history, 18009
- field flight path, study, 16890
- gaseous, for nuclear reactor, 14485
- integrated display and control systems, simulator evaluations, 14374
- integration of control equations and problem of small time constants, 8505
- manual control, NASA-University Conference, papers, 6733
- measuring human performance with parameter tracking version of crossover model, 17944

Control systems—Continued
multivariable—

- decoupling, design and synthesis, 18046
- manual, studies, 2-axis compensatory systems with separated displays and controls, 17934
- nonlinear, technique developed, 6725
- nuclear rocket engine at power range operating conditions, analysis, 11525
- oculometer developed to control machine by eye, 14376
- on-off rate command attitude control system of manned lunar-landing research vehicle, flight-test evaluation, 9888
- optimal and adaptive control theory, 8414
- passive communications satellites, orbit position control, handbook, 11398
- principles of control sciences applied to biology and medicine, USSR studies, 1322
- reactor, based on counting and Campbell-ing techniques, instrumentation program, 7422
- self-organizing, USSR study, 9617
- solid propellant rocket engines, vortex valve study, 2651
- solid state circuit averages multiple signals and rejects those varying significantly from the average, 15492
- space vehicle, flight, analysis and design, 12871-876, 14383-384, 15497-503
- spacecraft, 6730
- horizon sensors accuracy, provide for vertical reference in earth's horizon radiance profile, 9802
- steering, energy absorbing, for automotive vehicles, Federal standard, 6318
- stick stiffness, experimental effects in tracking task for man-machine research, 5174
- theory, USSR study, 4932
- thermal, considerations for manned orbiting space station, 11538
- thermionic diode controlled power system, development, 1433
- use of displacement, flash, and depth-of-flash coded displays for providing control system information, 5354
- USSR computer centers and automatic accounting and control systems, 1340
- vestibular system and human dynamic space orientation, 1428
- see also* Feedback control systems.
- Controlling cull oia trees by injecting herbicides, 8088
- Convection of heat, *see* Heat transfer.
- Convention of American Instructors of the Deaf, proceedings of 43d meeting, print as Senate document, report, 16363
- Conventions, *see* Conferences, congresses, etc.
- Conventions and treaties, *see* subjects.
- Converse, Harry H., two-fan crossflow ventilation system for upright grain storages, 7248
- Converse, Henry T., jr., soil survey of Henderson County, Ky., 8698
- Converse, Richard H., diseases of raspberries and erect and trailing blackberries, 1681
- Converters (electric), *see* Electric current converters—Frequency-to-analog converter—Upconverters.
- Convulsions:
 - man and experimental animals in convulsive states, USSR electron microscopic study of cerebral cortex, 12752
 - tissue monoamine oxidase inhibitions by convulsogenic doses of hydrazines and related Bi-hydrazones, 4181
- Cook, Charles R., printing and publishing, quarterly industry report, 3770
- Cook, William C., life history, etc., of beet leafhopper in western U.S., 5686

Cook Inlet:

- region, Alaska—
 - Tertiary biostratigraphy (series), 2365
 - Tertiary plants, 2365
- Cooke, Julian P.,
 - behavioral changes in rats at ground level following gestation and growth in 100% oxygen at reduced pressures, 15899
 - heart rate response of anesthetized and unanesthetized dogs to noise and near-vacuum decompression, 4180
 - rapid decompression and exposure of fresh foods, 1735
 - some cardiovascular responses in anesthetized dogs during repeated decompressions in near-vacuum, 78
- Cooke, Marian L., distribution of Pennsylvania anthracite, 5102
- Cookery, publications, price list, 17132
- see also* Recipes.
- Cooking appliances, current industrial reports, 3169, 5863
- Coolants:
 - factors influencing heat transfer to liquid-propellant rocket-thrust-chamber coolant channels, 1484
 - nuclear power engineering installations, USSR study, 1260
 - see also* names of coolants.
- Cool-down characteristics of regenerative nozzle used in full-scale, cold-flow, nuclear rocket test facility, 11500
- Coolies, *see* Chinese—Japanese.
- Cooling:
 - combustion chamber struts can be effectively transpiration cooled, 6805
 - effect of subcooling on film-boiling heat transfer from flat plate, 14453
 - gaseous-film cooling of rocket motor, 6882
 - regeneratively cooled hydrogen-fluorine rocket engine, heat-transfer study at low chamber pressure, 17006
 - transient, of opaque sphere in space, theoretical solution of nonlinear problem, 14453
 - see also* names of commodities.
- Coombs, Charles A., Treasury and Federal reserve foreign exchange operations, 8005, 16599
- Cooper, Anna G., carbon monoxide, bibliography, with abstracts, 1589
- Cooper, Dale W., measurement of ion and electron densities of electron-bombardment ion-thruster beam, 5244
- Cooper, David, nobody wanted school desegregation, Moore County, N.C., did it in quiet sensible way, 15213
- Cooper, G. Arthur, Permian rock units in Glass Mountains, west Texas, 1113
- Cooper, Glenn A., wood brick tile for paneling, 14133
- Cooper, James D., clays, 2334
- Cooper, Paul A., vibration and buckling of prestressed shells of revolution, 6878
- Cooper Union Museum, treasures, exhibition catalogue, 12990
- Cooperation, *see* International cooperation.
- Cooperative Extension Service, general information, 17328
- Cooperative extension services in District of Columbia, 16387
- Cooperative housing, *see* Housing.
- Cooperative research monograph series, 2186
- Cooperative State Research Service, appropriations, 1968, hearings, 10629, 12397
- Cooperatives:
 - agriculture, 1954-64, selected references, 1517
 - books on, general reading list, 12977

INDEX 1967

Cooperatives—Continued
 cooperative ventures in urban America, 14187
 development under foreign assistance act of 1961, report, 13700
 fishery cooperatives in United States, list, 14058
 food chains, bibliography, 10077
 over-all objective of helping people to live better (remarks), 1696
 retail and wholesale, census of business, 1963, retail trade, 5817
 role in developing countries, ILO recommendation text, 13554
 self-help technique of cooperation (remarks), 1694
 status today and tomorrow, 2232
 see also Farmers' cooperative organizations—also kinds of cooperatives—also names of commodities.

Coordinates:
 Brendel's, use in numerical theory of satellites, 11545
 curvilinear coordinate systems, application of computers to formulation of problems, 9906
 modifications in Brouwer's theory of general perturbations in rectangular coordinates, 2703
 point, on photograph, laser measuring system accurately locates, 5154

Coordinating Research Council (CRC) aviation handbook, fuel and fuel systems, 11624

Coordinator's score-board, review of what's new in placement of handicapped, 8990

Coots:
 hunting, possession, etc., Federal regulations, 1080, 16623
 in Alaska, 14061

Copeland, W. Latham:
 contribution of downstream stator to interaction noise of single-stage axial-flow compressor, 9882
 noise measurement evaluations of various take-off/climbout profiles of 4-engine turbojet transport airplane, 2699

Copepods:
 bathypelagic calanoid, of western Indian Ocean, 8548
 Caliginae genera key, 15607
 caligoid, parasite on sharks of Indian Ocean, 6958
 Caritus, new genus of caligoid copepod, 15607
 cyclopoid, associated with—
 aleyonarian coral *Tubipora musica* (Linnaeus) in Madagascar, 6959
 Madagascar corals *Psammocora contigua* (Esper), 6965
 family Pandaridae (Copepoda: Caligoida), revision, 5314
 genus *Gloiopotes* and new species, host, specificity, etc., 11607
 parasite on teleost fishes of Hawaiian Islands, 11603
 taxonomy, distribution, and polymorphism in *Labidocera jollae* group with remarks on evolution within group (Copepoda: Calanoida), 8544
 see also Crustaceans—Eurytemora.

Coplin, John E., relief, 13585, 13787, 14904

Copolymers, see Polymers and polymerization.

Copper:
 acrylic enamel serves as lubricant for cold drawing of refractory metals, 5140
 alloys—
 failure under microimpact action, rules governing, USSR study, 12714
 ultrasonics effects on electrodeposition from cyanide electrolytes, 9787
 artifacts, neutron activation analysis traces to geographical point of origin, 8388

Copper—Continued
 braze bonds, correlation established between heat transfer and ultrasonic transmission properties, 8389
 compounds, electron paramagnetic resonance and magnetic susceptibility with dicarboxylic acids, USSR study, 14252
 copper and alloys, corrosion in tropical environments, 9993
 copper and copper base alloy mill products, tolerances, Federal standard, 2268, 16601
 deposit, Ore Knob, N.C., 15310
 friction of copper-aluminum alloys, possible relation with stacking-fault energy, 8490
 friction studies, recrystallization and preferred orientation in single-crystal and polycrystalline copper, 8481
 high-strength braze joints between copper and steel, 14420
 hose, flexible, protected by plastic tubing, 6755

Industry—
 mineral industry survey, monthly, 3149
 quarterly report, 3150
 report, annual statistical supplement, 12027
 mill and foundry products, current industrial reports, 3170
 ores, domestic reserves and potential sources, evaluation, 8340
 scrap, consumers, mineral industry survey, monthly, 3151
 stress-rupture and creep properties of tungsten-fiber-reinforced copper composites, 17002
 tungsten fiber-reinforced copper composites form high strength electrical conductors, 2678

Copper mosses as indicators of metal concentrations, 4886

Copper River and Valley, basin area, earthquake of Mar. 27, 1964, effects, 2371

Copper sulfate, mineral industry survey, monthly, 3152

Copple, R. F., vegetative key to some common Arizona range grasses, 11141

Copying processes:
 equipment, GSA handbook, 12595
 office copying processes and equipment, military standardization handbook, 9371

Copyright:
 catalog of copyright entries, 967-969, 2141, 10880, 12432-435, 13904, 16451-452, 17682-685
 code of Federal regulations, 9477
 law, revision—
 hearings, 1645-46, 16421, 17660
 reports, 7683, 9107
 subcommittee work, reports, 9285, 13789

Copyright Office:
 circulars, 13905
 general information, 13905
 Register of Copyrights, annual report, 13903

Corals:
 new cyclopoid copepods associated with aleyonarian coral *Tubipora musica* (Linnaeus) in Madagascar, 6959
 Otter Creek coral bed and its fauna, east-central Kentucky, 6394
Psammocora contigua (Esper), in Madagascar, associated with cyclopoid copepods, 6965

Corbett, Cora L. F., relief, 7632

Corbett, Edward S., soil slippage increased by brush conversion, 11120

CORD, commissioned officer residency deferment program, 8626

Cordaro, Joseph T.:
 comparison of acetate differential agar with Sellers citrate-mannitol-agar, 10233
 study of man in oxygen-helium atmosphere, enteric microbial flora, 79

Cordwood, *see* Wood.
 Core drilling on continental margin off Florida (series), 15311
 Cores (reactors), *see* Reactors (atomic).
 Corigliano, Francesco, relief, 10351
 Corliss, Charles H., revision of NBS tables of spectral-line intensities below 2450 Å, 14514
 Corn:
 bacterial wilt and Stewarts leaf-blight, control, 5626
 futures, commitments of traders, 3112
 futures trading and open contracts, 3368
 growing, 1693
 insect damage in 3 southeastern States at harvest time and in farm storage, 14751
 marketing by Commodity Credit Corporation, impact on small business, report, 668
 production, 1682
 protecting from blackbirds, methods, etc., 16637
 shelled, evaluation of malathion, synergized pyrethrum, and diatomaceous earth as protectants against insects in small bins, 36
 sweet, earworm control, 14747
 trading in futures, 16112
 see also Hominy grits.
 Corn borers, *see* European corn borer.
 Corn earworms, *see* Bollworm.
 Corn grits, *see* Grits.
 Corn meal, *see* Meal.
 Cornea, frog, monomethylhydrazine toxicity, 10242
 Cornfield, Wash., hydrology of area, 6412
 Cornog, D. Y., legibility of alphanumeric characters and other symbols, 6917
 Corona (solar), *see* Sun.
 Coronagraphs, Kislovodsk main astronomical observatory, largest coronagraph installed, 15351
 Coronary circulation in normal and pathologic heart, 11999
 Coronary diseases, *see* Heart diseases.
 Coronary drug project, 15678
 Coroners, handbook on death and fetal death registration, 15695
 Corozal quadrangle, Puerto Rico, Cretaceous and Tertiary rocks, 1112
 Corp. Ernest L., flexible liners for underground support, 5128
 Corpas, Miguel A. Martínez y, *see* Martínez y Corpas, Miguel A.
 Corporation for Public Broadcasting, *see* Public Broadcasting Corporation.
 Corporation for Public Television, *see* Public Television Corporation.
 Corporations:
 banking and financing foreign operations under Federal reserve act, regulations, 9495
 corporate equity ownership of securities under securities exchange act of 1934, full disclosure—
 hearings, 13846
 report, 15133
 corporate reorganization releases, SEC, 3153
 District of Columbia income and franchise tax act, amend, reports, 879, 893
 doing foreign banking or financing that maintain reserve accounts with Federal reserve banks, list, 6305
 income tax returns, statistics, 6461, 15337
 foreign tax credit claimed, 11224
 Industrial, U.S., 500 largest, 1954-65, concentration and divisional reporting, etc., Fortune directory, hearings, 12415
 leaders from jurisdictions outside D.C. making loans secured by D.C. property, clarify status under income and franchise tax act, report, 879
 manufacturing, quarterly financial report, 3794

Corporations—Continued
 monetary policy, financial liquidity, and outlook for corporate profits (remarks), 11056
 pension funds, issues raised by 1965 report of President's Committee (remarks), 10123
 sales, profits, and dividends, quarterly report, 3847
 tax policy developments in corporate area (remarks), 7215
 Corrals, beef cattle, farm building plan, 4125
 Correctional institutions, *see* Reformatories.
 Correctional officers, Federal Prison Service, examination announcement, 7541
 Correctional rehabilitation, *see* Rehabilitation of criminals.
 Corrective action, *see* Discipline.
 Corrective therapists, Veterans Administration, hospitals and clinics, nationwide, career opportunities, 15816
 Corregidor-Bataan Memorial Commission:
 annual report, 4468
 termination date, extend—
 hearing, 9155
 reports, 9131, 10742
 Correlation (statistics):
 free-surface instability, open-channel flow, 4892
 friction coefficients for laminar and turbulent flow with ratios of surface to bulk temperature, 17014
 Correlation function measurement and infrared frequency devices, new patents, USSR, 9647
 Correspondence, aids, CA series, 10157, 17301
 Correspondence schools and courses:
 Industrial College of Armed Forces—
 management in Department of Defense, information booklet, 9607
 national security management, information booklet, 2422, 7863
 program of studies, 9606
 Navy, training manuals and correspondence courses, lists, 11657, 14585
 USSR, correspondence and evening higher educational institutions, prospects, 1164
 Corrosion and anticorrosives:
 aluminum alloys, treatment increases stress-corrosion resistance, 6760
 beryllium fluoride film protects beryllium against corrosion, 8459
 corrosion and wear, bibliography, 2621
 corrosion in hot sea water in experimental loop apparatus, 15326
 corrosion of aluminum in water, 17938
 corrosion resistance of stainless steel and nickel alloys, 9797
 corrosion test program, 9594
 degassing of titanium to minimize stress corrosion, 11476
 electron optical survey of iron oxide films produced in H₂O, LiOH and LiOH/EDTA solutions, 8594
 kinetics of thermogalvanic corrosion, USSR study, 1241
 liquid -metals, AEC - NASA information meeting, 125
 magnesium-lithium alloys, coating protects against corrosion, 11477
 metallic, trace levels determined by emission spectrography, 6850
 metals in tropical environments, 9993
 positive displacement cylinder measures corrosive liquid volume, 6756
 steel, corrosion resistant, controlled ferrite content improves weldability, 8475
 stress-corrosion cracking of Ti-6Al-4V alloy in methanol, 6900
 stress corrosion cracks in titanium alloys revealed by chemical milling solution, 16957
 titanium alloys, salt water stress-corrosion cracking characteristics, 17091

INDEX 1967

- Corrosion and anticorrosives—Continued.
titanium tanks, glass bead shot peening
retards stress corrosion failure, 14413
variable reluctance switch avoids contact
corrosion and contact bounce, 11466
zirconium alloys with small amounts of
iron and copper or nickel show im-
proved corrosion resistance in super-
heated steam, 9796
- Corrosion engineers, problems in training.
Hungarian study, 12710
- Corsets, current industrial reports, 14825
- Corso, Anthony J., relief, 9261, 13564, 14894
- Cortisol, *see* Hydrocortisone.
- Cortright, Edgar M., remarks, Mar. 14, 1967,
8514
- Cosine law in kinetic theory of gases, 9928
- Cosmetics:
food, drug, and cosmetic act—
as amended, text, 1083
enforcement and compliance, FDA re-
port, monthly, 3268
requirements guide for foreign manu-
factures, etc., 17790
import detentions, report, 3820
- Cosmetologists, *see* Beauty operators.
- Cosmonauts, what should cosmonauts
breathe? USSR study, 5019
- Cosmos satellites in near-earth orbits, USSR,
5017
- Cost, Noel D., pulpwood prices in southeast,
2319
- Cost:
actual versus allocated costs, computer/
PERT technique monitors, 8458
analysis project in children's institutions,
7231
benefit-cost analysis, transportation sys-
tem, 1525
commercial cotton farms, costs and re-
turns, 986
data requirements in award of contracts
and subcontracts, Defense Dept., GAO
report, 4867
farm cost situation, 994
farm costs and returns, 986, 13943,
16488-490
commercial dairy farms, northeast and
midwest, 16488
commercial egg-producing farms, New
Jersey, 16489
commercial tobacco farms, Coastal
Plain, North Carolina, 13943
commercial tobacco-livestock farms,
Bluegrass area and Pennyroyal area,
Ky.-Tenn., 16490
indirect, establishing rates for HEW re-
search grants, etc., guide for educa-
tional institutions, 8189, 12620
information from contractors, procedures
for reporting, 9929
reduction actions by defense contractors,
4670
reduction journal, Defense Dept., 3154
reduction report, Defense Dept., 3154
reductions, Veterans Administration, 5587
see also subjects.
- Cost accounting, *see* Accounts and account-
ing.
- Cost and standard of living:
city worker's family budget for moderate
living standard, 17894
cost-of-living adjustments in Lighthouse
Service annuities, report, 12253
farm operator level-of-living indexes for
counties of United States, 13250
living costs abroad, Department of State
indexes, 5084
patterns of living and housing of middle-
aged and older people, research con-
ference proceedings, 14634
rural people in American economy, 983
- Costa Rica:
background notes, 15754
economy, basic data, 7578
mineral industry, minerals yearbook chap-
ter, 14331
- Costa Rica—Continued
records of Dept. of State, microcopy,
pamphlet to accompany, political rela-
tions with U.S., 18066
- Costumers, wood, executive office, Federal
standard, cancellation, 6309
- Cote, Joseph, or heirs, relief, 610
- Cotroneo, Anthony P., characterizations of
real linear algebras, 6898
- Cotton:
Australia, recent developments, 2286
boll, fiber, and spinning properties, as af-
fected by management practices, 11945
Brazilian, trends and prospects, 9525
broad woven goods, current industrial re-
ports, 3170
cloth, prices of cloth, raw cotton, and
mill margins, etc., 3562
commercial cotton farms, 1965, costs and
returns, 986
cotton and related data statistics, 1925-
62, 1966 supplement, 53
cotton situation, 3161
different grades and staple lengths from
same load of cotton, 10192
extra-long staple, global import quota,
amend law—
hearings, 15012
reports, 13683, 13687
fiber and processing test results, 3155
fiber problems and policies in U.S., 15666
fiber quality, effects on efficiency of grid-
bar air wash lint cleaners, 14759
fibers, fibrosampler and digital fibrograph
for sampling, and measuring length
characteristics, evaluation, 8834
foreign agriculture circulars, 3345
futures trading and open contracts, 3366
ginning to preserve fiber quality, 16568
imports of manufactures, foreign trade re-
ports, 3352
inventory management by Commodity
Credit Corporation, GAO follow-up re-
view, 15297
Klritz, child labor in fields, deplorable,
USSR study, 1172
man-made fiber staple, and linters, current
industrial reports, 3169
mill margins report—
expanded series, 3561
20-construction series, 3562
monthly cotton linters review, 3571
price statistics, monthly, 3159
prices, spot quotations, 3892
production, monthly release, 3160
production, 1966 crop, 12040
quality report for spinings, 3997
quality survey, fiber and processing tests
from selected production areas, sum-
mary, 7266
research plots, quick change sacking at-
tachment for harvesting, 13198
San Joaquin Valley, Calif., spinning per-
formances, comparison with varying
fiber properties, 1964-65 season, 15860
situations, actions taken to strengthen under
USDA programs (address), 24
spinning quality as affected by gin clean-
ing, etc., Mississippi, 1965-66 season,
5647
squares, efficiency of flail type machine in
destroying, 7242
storage, hearings, 10626
storage costs, hearing, 16301
story, 15858
stripper for harvesting research plots, 3
textiles—
depth of cut in tariff rates, 6th round
GATT trade negotiations, 13354
international trade, protocol with other
governments, extending long-term ar-
rangements, 15796
trade agreement with—
China, Republic of, 2890
Hong Kong, 2920

Cotton—Continued
 textiles—continued
 trade agreement with—continued
 India, 8730, 8741, 13150
 Israel, 11855
 Korea, Republic of, 7183
 Malta, 15785
 Mexico, 15777
 Pakistan, 11834, 15797
 Poland, 11866
 Portugal, 1639, 8739, 15766
 Singapore, 2934
 Spain, 7162
 Turkey, 15786
 upland—
 allotment program, statistical summary, 8820
 cost of producing in United States, supplement, 16485
 1967 program, general explanation, 7291
 USSR production, report of U.S. technical study group, addendum, 13245
 varieties planted, 13885, 16444
 varieties planted in early producing section of Texas, 12430
 variety tests, regional, results, 4084
 weekly cotton market review, 4056
see also names of manufactured articles and materials.
Cotton, International Institute, *see* International Institute for Cotton.
Cotton gins and ginning:
 consolidated cotton report, 3156
 cotton ginnings by counties, 3157
 cotton ginnings by States, 3158
 engineering and economic aspects of cotton gin operations. Midsouth, west Texas, Far West, 12452
 gin trash collection efficiency of small-diameter cyclones, 15824
 ginning to preserve fiber quality, 16568
 pink bollworm kill, method of evaluating, 10147
 quality report for ginnings, 3997
 waste, marketing and utilization, 9390
 wastes, control and disposal, symposium, 7063
Cottonseed:
 and products, transportation factors in marketing, 16546
 quality, 1966 crop, 13886
 U.S. industry adjusting to short 1966 crop, 989
Cottonseed oil, futures trading and open contracts, 3366
Cottonwood:
 and willow, stored, relation of visual estimates of decay to specific gravity loss, 2299
 responses of 1-year-old cottonwood to increasing soil moisture tension, 14122
 Cottrell, Wm. B., nuclear safety, quarterly technical progress review, 3645
Couch, Lana M., heat-transfer measurements on flat plate with attached protuberances, 5232
Coulombs, interaction, theory, 11567
Coulter, Olivia W., aging, 2995, 14732
Council of Economic Advisers:
 act establishing, text, 10492
 member, nomination of Arthur M. Okun, hearing, 7801
 report—
 departmental edition, 5406
 document edition, 4486
Counseling:
 and vocational guidance services for New York City women, 5599
 Army recruiting and career counseling journal, 3812
 bibliography, Air Force Academy Library, 5689
 girls and women, awareness, analysis, action, 13968
 girls, their special needs for expanding opportunities, 11909

Counseling—Continued
 interest check list, instructions for administering and using, 16516
 national defense education act of 1958, institutes, programs, 6189
 progress interview, helps for management in counseling people about their work, 6373
 psychologist, examination announcement, 12113
 publications of State Departments of Education, guide, 6185
 report of President's Commission on Status of Women and report of Committee on Education, excerpts, 7236
 State Dept. of Education personnel directory, 6178
 T.I.D.E. [Testing, Information, Discussing and Evaluating], promising demonstration project, 7923
 work fields, counselor's interviewing guides in individual appraisal and counslee appraisal patterns, handbook, 7922
Counselors:
 desk aid, 18 basic vocational directions, summary information, 13969
 development in American Society, Government-university relations in professional preparation and employment, conference recommendations, 2482
 employment, interviewing guides in individual appraisal patterns related to fields of work, handbook, 7922
 inventory of counselor education programs, 16504
 recognizing and supervising troubled employees, guide for supervisors, etc., 14871
 rehabilitation, medicine and medical practice, survey, instructor's manual, 10128
 T.I.D.E. [Testing, Information, Discussing and Evaluating], diary, 1966 summer, 7923
 Counter guerrilla operations, 8881
Counters, digital frequency counter permits readout without disturbing counting process, 6818
see also Electronic counters—Proportional counters.
Counties:
 agricultural committee system, extend benefits to employees—
 hearings, 10870, 17609
 report, 13807
 county business patterns, bound volumes—
 Alabama-Illinois, 17425
 Indiana-Missouri, 17426
 Montana-Oregon, 17427
 Pennsylvania-Wyoming, 17428
 U.S. summary, 17424
 county business patterns, CBP series, 168-175, 1859-71, 4306-21, 5851, 7475, 10344-351, 12042-65, 13365-385, 14819-824, 15987, 17424-428
 announcement and order form, 5852
 county business patterns, U.S. summary, 7475, 15987
 county veteran population, Dec. 1966, estimates by States, 17283
 data book, 1967—
 departmental edition, 12041
 document edition, 12201
 farm operator level-of-living indexes, 13250
 health insurance enrollment under social security, 10083
 land ownership maps, 19th century, in L.C., checklist, 16837
 mental hospitals, patient movement, etc., 15697
 rural, comprehensive plans for improving, 7265
see also subject involved.
 Counting devices, reactor control systems, based on counting techniques, instrumentation program, 7422

INDEX 1967

Countries, *see* Foreign countries.

Country life:

- alleviating conditions of rural poverty, gains and prospects, 5674
- poverty in rural America (statement), 7296

rural America, effect of Federal programs, hearings, 17583

Country team, illustrated profile of our American missions abroad, 8711

Courts, Charities, encouraging American handicrafts, what role in economic development?, 2160

Couplings:

- fluid coupling assembly, quick attach and release, self-aligning, self-sealing, 6789
- propellant-feed-system, effect on analysis of chugging, 11491
- rotational fluid, eliminates hose entanglements, 6754

yaw, turning maneuvers of large transport aircraft, simulator and flight study, 11494

Courier station design, 13301

Couriers, *see* Diplomatic couriers.

Courses of study, *see* Curriculum.

Court of Claims:

- cases, calendar, 3162

cases decided—

June 1965, including index to v. 160—171, 970

July 1–Sept. 30, 1965, 2142

Oct. 1–Dec. 31, 1965, 4663

Jan. 1–Mar. 31, 1966, 4664

Apr. 1–May 31, 1966, 7840

June 1–Sept. 30, 1966, 12436

Oct. 1–Dec. 31, 1966, 16453

Jan. 1–Feb. 28, 1967, 17686

judgments rendered, 4573

see also names of claimants.

Court of Customs and Patent Appeals:

- appeals in patent and trademark cases, amend U.S. Code, report, 877
- cases adjudged, weekly report, 3977
- customs bulletin, weekly, 3174
- customs cases adjudged, 10881
- patent cases adjudged, 12437

Court of General Sessions, D.C.:

- authority to waive certain provisions rel. to marriage license issuance—law, 13533
- reports, 12384, 13641
- criminal justice in metropolitan court, processing of serious criminal cases, 1348
- liens established by judgment or decree, recordation by recorder of deeds—law, 1971
- reports, 2026, 2102

Court of Military Appeals:

- court martial reports, holdings and decisions, 4671
- digest, annotated and digested opinions, 9369
- report, 7844

Courtesy (military), *see* Military ceremonies, honors, and salutes.

Courtesy (naval), *see* Naval ceremonies, honors, and salutes.

Courtesy examiners handbook, 5947

Courts, task force report, President's Commission on Law Enforcement and Administration of Justice, 10032

see also State courts—Venue—*also* names of courts.

Courts martial and courts of inquiry:

- instructions guide, Air Force manual, 10220

Judge Advocates General boards of review and Court of Military Appeals reports, holding and decisions, 4671

manual, 1951, addendum, changes, 973, 9361

Courts of Appeals, *see* Circuit Courts of Appeals.

Courts of United States:

appropriation, 1967, law, 501

appropriations, 1968—

hearings, 10632, 16390

reports, 10616, 16372

crisis in Federal courts, administration of justice, hearings, 16422

Federal judges, judicial fitness, removal, retirement, and disciplining procedures, hearing, 7819

Federal judicial system, investigation—authorization and expenses, reports, 6070, 15098

report, 9287

jurisdiction and work, 10662

narcotic addicts, dealing more effectively with individuals—

hearings, 2128

law, 497

report, 2013

see also District Courts.

Cows:

milk cow numbers, 15806

milk cows on farms, production per cow, etc., 5683

milk, forage fed 1966–67 winter season, 11580

milking, time and travel required, effect of layout, equipment, and routine, 4151

milk production, 7199

roughage fed, 1966 summer season, 2940

see also Dairy herd improvement associations.

Cox, E. R., geology and hydrology between Lake McMullan and Carlsbad Springs, Eddy County, N. Mex., 8178

Cox, J. E., preparation of CrFe alloys, 5364

Coyne, Walter A.:

presidential scholars, 4717

presidential scholars, what shapes their talent?, 12468

Coyner, Mary S., agriculture and trade of Panama, 7887

CPSR, *see* Government contracts.

Crab meat, radiation-pasteurization processes, 13348

Crabs, *see* King crabs—Portunids.

Crack propagation theories, 17939

Cracking of metals, *see* Fracture of metals.

Cracks in glass electrical connector headers removed by dry blasting with fine abrasive, 12886

Craft, Charles E., effects of ionizing radiation on concentration of amino compounds in rat plasma, 5714

Craft (nautical):

pleasure craft, safety suggestions, etc., 220

small, Federal item identification guides for supply cataloging, supplements, 3293

Crafts, Edward C., remarks, Jan. 28, 1967, 4974

Crafts, *see* Arts and crafts.

Crafts, protective and custodial employees, *see* Government officials and employees.

Crambe, culture, new industrial oilseed crop, 4140

Crambidac, *see* Moths.

Cramer, Stephen D., electrodeposition of thick coatings of platinum and palladium on refractory metals, 16861

Cranberries, production, use, value, 1965–66, by States, 14696

Crandell, Dwight R., volcanic hazards at Mount Rainier, Wash., 9562

Crane, Theodore, farm index, 3262

Crane (birds):

hunting, possession, etc., Federal regulations, 1080, 16623

in Alaska, 14061

whooping cranes of Aransas National Wildlife Refuge, general information, 8043

Cranes, derricks, etc.:
 bridge crane, telescoping hoist, square tubing reduces cost, 17920
 self-actuating grapple automatically engages and releases loads from overhead cranes, 5150
 swing-out rail system separates overhead crane rails, 6704
 Cranium, *see* Skull.
 Craashes, *see* Aircraft accidents.
 Craters:
 apparent crater studies—
 Project Palanquin, 4237
 Project Pre-Schooner, final report, 13342
 cratering in low-density targets, 11420
 Creede caldera, San Juan Mountains, Colo., 8166
 geologic and engineering properties, Project Pre-Schooner, final report, 17394
 hypervelocity impact, in aluminum, projectile size effects, 14468
 measurements, 4236
 micrometeorite, in metal substrates, observation utilizing electron micrographic replica methods, 9815
 nuclear engineering properties, Plowshare program, 17398
 Craters of the Moon National Monument, general information, 9957
 Craven, Harold L., transportation proceedings, 7407
 Crawfish:
 crayfishes and their epizootic ostracod and branchiobdellid associates of Mountain Lake, Va., region, 15604
 new crayfish from Alabama caves, etc., 17050
 see also Cambarus.
 Crawford, H. S., establishing grass range in southwest Missouri Ozarks, 14092
 Crayfish, *see* Crawfish.
 Cream, fluid milk and cream report, 3329
 Creasey, S. C., general geology of Mammoth quadrangle, Pinal County, Ariz., 11163
 Creatinine, urinalysis, automated technique determines concentration by colorimetry, 14437
 Creatinine:
 urinalysis, automated technique determines concentration by colorimetry, 14437
 urinary excretion as index of fat-free mass composition in rats, 7415
 Creative federalism:
 article, 2377
 hearings, 4639, 13864
 Creative quest in science, 16763
 Creativity, elementary and secondary education act, PACE, projects to advance creativity in education, supplementary services and centers, etc., 2189, 7915, 10940-941, 17723
 Credit:
 and monetary developments, 16594
 businessmen, moderation today means progress tomorrow (address), 144
 consumer credit and bankruptcy, garishments (remarks), 16796
 consumer credit protection act, hearings, 17594
 department store, monthly report, 3200
 Federal programs, report, 6090
 Federal reserve banks, amend law as to security acceptable—
 hearing, 7800
 report, 9282
 Federal reserve policy and credit markets (remarks), 1061
 flows, interest rates versus interest ceilings in allocation (remarks), 4786
 foreign, information sources, 15340
 housing, code of Federal regulations, 11037
 mortgage, to meet housing needs, Federal policies, hearings, 15151

Credit—Continued
 mortgages, study, housing, real estate, etc., statements and recommendations by Federal agencies, 10821
 sales finance companies, monthly report, 3846
 truth in lending act—
 hearings, 10822
 report, 13812
 see also Banks and banking—Installment credit—Production credit associations.
 Credit insurance, health, accident, and life, for student loans, increase maximum amount allowable for student loans in D.C., report, 882
 Credit unions:
 how it helps us, hi, I'm Mr. Money Wise, 14049
 project moneywise, role in war on poverty, 9451
 serve community (remarks), 11701
 State-chartered, 2243
 State-chartered, purchase of shares by Federal employees through payroll allotment, hearing 13845
 see also Federal credit unions.
 Creditors:
 committee functions and expenses under bankruptcy act, amend—
 hearing, 16420
 report, 9093
 Creek and the city, urban pressures on natural stream, Rock Creek and metropolitan Washington, 4913
 Creek Indians:
 Nation of Oklahoma—
 estates of intestate members, etc., disposition—
 law, 16132
 reports, 10578, 15114
 judgment funds, disposition—
 law, 16132
 reports, 10578, 15114
 Creep of materials, adhesives, uniaxial creep, measurement in free film form, 12570
 Creep of metals:
 niobium creep-rupture properties, nitrogen effect, 10000
 tantalum alloys resist creep deformation at elevated temperatures, 6748
 tungsten-fiber-reinforced copper composites, 17002
 Creep of snow and ice, research report, 7380
 Cremation, public crematorium in District of Columbia, establishment, amend act, report, 16379
 Crespo, Luis, relief, 357, 585, 810
 Cressey, Roger F.:
 caligoid copepods parasitic on sharks of Indian Ocean, 6958
 Caritus, new genus of caligoid copepod, with key to genera of Caliginae, 15607
 genus Gloiopotes and new species with notes on host specificity, etc., 11607
 revision of family Pandaridae (Copepoda: Caligoida), 5314
 Cretaceous period:
 ammonites from Matanuska Formation, 8170
 late, Enos Creek detachment thrust fault, geology, 2360
 rocks, east-central San Juan Basin, N. Mex., stratigraphic and regional tectonic implications, 16693
 rocks in Corozal quadrangle, Puerto Rico, 1112
 stratigraphy in west-central Puerto Rico, 17520
 upper, gastropods from Pierre shale at Red Bird, Wyo., 8161
 Crew leaders, social security information, 15741
 Crews, *see* Spaceship crews—Submarine crews.

INDEX 1967

Crime and criminals:

- challenge of crime in free society, report by President's Commission on Law Enforcement and Administration of Justice, 7044
- combating crime in U.S., national debate topic for high schools, 1967-68, selected excerpts, etc., 1069s
- controlling crime through more effective law enforcement, hearings, 15166
- crime and delinquency abstracts (periodical), 3163
- crime and its impact, assessment, President's Commission on Law Enforcement and Administration of Justice, 13065
- crime and lawlessness within United States, investigation—
 - authorization, report, 15083
 - interim report on riots, etc., 16375
- crime control conference proceedings, 16788
- crime prevention and you, 11219
- criminal justice in metropolitan court processing of cases, 1348
- detection and investigation of attempted criminal violations of tax laws, 16721
- District of Columbia crime and criminal procedure bill—
 - hearings, 10644
 - report, 13646
- District of Columbia, victimization and attitudes toward law enforcement, 1305s
- District of Columbia, war on crime with more restrictive and rehabilitative legislation, message from the President, 759s
- Federal crime insurance, contributions of science and technology, 16437
- Federal effort against organized crime hearings, 13706
- Federal Interrogation act of 1967, hearings, 12306
- Federal offenders in U.S. district courts, 8799
- impact of crime on small business—
 - hearings, 12428
 - report, 16365
- SBA to conduct study—
 - law, 17549
 - reports, 14961, 14982, 16261
- Indians, crime committed in Indian country, amend U.S. Code, law, 421
- juvenile delinquency and youth crime, task force report, President's Commission on Law Enforcement and Administration of Justice, 11703
- laws, compilation, 1982
- major metropolitan areas, crime and law enforcement studies, 13060
- organized crime, annotations and consultants' papers, task force report, President's Commission on Law Enforcement and Administration of Justice, 10033
- persons under supervision of Federal probation system, 15821
- prevention of crime, recommendations for measures to be taken, message from the President, 5998
- publications, list, 2802
- reentry of offender into community, 8791
- return of fugitive bailees, hearing, 6117
- safe streets and crime control act of 1967, hearings, 12306
- science & criminal justice symposium, 11699
- science and technology and criminal justice, task force report, 11704
- solving crime by geometry, USSR study, 1238
- uniform crime reports, 14015
- uniform reporting, quarterly release, 3992
- victimization in U.S., field surveys, 13059
- see also Conspiracies—Criminal law.
- Crime Control, National Conference, see National Conference on Crime Control.

- Crime in District of Columbia, President's Commission on, see President's Commission on Crime in District of Columbia.
- Crime Protection Insurance Corporation, Small Business, see Small Business Crime Protection Insurance Corporation.
- Criminal investigators, Food and Drug Administration, career opportunities, 11095
- Criminal jurisdiction:
 - status of forces—
 - agreement with Republic of Korea, 8726
 - agreements, compilation, 7743
- Criminal law:
 - criminal justice in metropolitan court, 1348
 - District of Columbia laws, amend, hearings, 10644
 - investigation and study, authorization, report, 4602
 - law enforcement and criminal justice assistance act of 1967, reports, 13670, 13685
 - obstruction of criminal investigations, prohibit, amend U.S. Code—
 - hearings, 12306
 - reports, 12376, 16259, 16280
 - refusal to testify, compelling of testimony and granting immunity in certain crimes, amend U.S. Code—
 - hearings, 12306
 - report, 12377
 - science & criminal justice symposium, 11699
 - science and technology and criminal justice, task force report, 11704
 - study, report of subcommittee work, 9284
- Criminal Laws, National Commission on Reform of, see National Commission of Reform of Federal Criminal Laws.
- Criminal procedure:
 - appeal by U.S. from decisions sustaining motions for return of seized property or to suppress evidence, amend U.S. Code and D.C. Code, report, 14990
 - appellate review of sentences, provide, report, 12394
 - District of Columbia crime and criminal procedure bill—
 - hearings, 10644
 - report, 13646
 - Federal Interrogation act of 1967, hearings, 12306
 - investigation and study—
 - authorization, report, 4602
 - report of subcommittee work, 9284
 - see also Habeas corpus—Searches and seizures.
- Crimson clover, growing, 5639
- Crinoids, monograph, 14528
- Cripple Creek, distribution of gold, tellurium, silver, and mercury in mining district, 9571
- Cripples, crippled children's program, 1964 statistical highlights, 12094
- Crisp, Robert C., relief, 830, 10705, 16125, 16169
- Criteria for evaluation in planning State and local programs, 16411
- Critical materials, see Strategic materials.
- Critical phenomena, 1521
- Critical point, single-point failures in critical system designs, program computes, 11437
- Critiques, Asimov article on life in 1990 in Literaturnaya gazeta, 12729
- Crittenden, A. L., Carlson-Crittenden device for collection of human parotid fluid, further modification, 10240
- Crittenden, Max D., jr., mineral resources of High Uintas primitive area, Utah, 12598
- Crivella, Bart J., salad dressing, mayonnaise and related products, 145-146
- Crocco, L., mixing parameter analytical method used for laminar separations, investigation, 9806

- Crockett, Davy, 5-cent commemorative postage stamp (poster), 14606
- Croft, M. W., thorium fuels for heavy water organic cooled reactor, 5764
- Crom, Richard J., simulated interregional models of livestock-meat economy, 12453
- Crook, William H., nomination, hearing, 10864
- Crooked Creek:**
and tributaries at and in vicinity of Harrison, Ark., engineer report—
departmental edition, 10955
document edition, 10700
- Crooks, Donald M., poison ivy, poison oak and poison sumac, identification, precautions, eradication, 10164
- Croom, Delwin R., low-subsonic wind-tunnel and free-flight drop-test investigation of paraglider configuration having large tapered leading edges and keel, 1475
- Crop insurance, *see* Agricultural insurance—Hail insurance.
- Crop lands, *see* Land.
- Crops:**
census of agriculture, 1964, 5903-4, 7499-7510, 8962-65, 10388-398, 12091-92, 13404-412, 14837-839, 16036-40, 17442
certifying your program acres, ACSC administration, 7293
crop production (periodical), 3164
Federal reclamation projects, 1966, report, 17179
statistical appendix, 17180
- field—**
acreage, yield, production, price, value, by States, 1959-64 revised estimates, 4148
seeds, supply and disappearance, 1960-64 U.S. average, 1964-66 annual acreage, etc., 8755
zinc deficiency in West, 5640
- field and seed, production, farm use, etc.,**
by States, 10205, 11877
- foreign crops and markets (periodical), 3344
- insecticides, guide, 10162
- new, publications list, Northern Utilization Research and Development Division, 13199
- new varieties, 2244
- pesticide residues, cleanup and confirmation of identity, 13200
- planting, prospective, 8753
- seed crops—**
acreage, yield, production, etc., 4149, 8758
forecast, 3859
prices, 3860
stocks report, 3861
values, season average prices, value of production, 8754
weather and crop bulletin (periodical), 4060
see also names of crops.
- Crosby, John K., feasibility study of explosive gun, 8410
- Crosby, Robert L., intermediate phases in magnesium-cerium system between magnesium and Mg₂Ce, 1414
- Cross, Alexander D., relief, 10534, 13521, 13759
- Cross Creeks National Wildlife Refuge, birds, list, 8029
- Cross-Florida Barge Canal, Silver Springs lock, rename R. N. Bert Dosh Lock, report, 885
- Cross modulation in Scamp signal processor, 9990
- Cross reference index to manual of Navy officer classifications, 7014
- Cross section:**
differential cross sections for (d,a) reaction on scandium 45, 16989
electron impact excitation, molecular hydrogen, estimation, 11546
electron scattering and bremsstrahlung cross-section measurements, 9811
- Cross section—Continued**
Gryzinski and Born, comparison for metastable 2 state of atomic hydrogen, 9874
low energy electron collision data, bibliography, 8521
- Cross Village, Mich.:
harbor, engineer report—
departmental edition, 1023
document edition, 523
- Crossett, Ark., periodic cubic growth in natural loblolly stands, 2324
- Crossett Experimental Forest, farm forestry forties, 1966 harvest, 8098
- Crotalaria, seed morphology, anatomy, and identification, 17334
- Crouse, James E., blade-element performance of 2-stage axial-flow pump with tandem-row inlet stage, 11513
- Crow Village, Alaska:
ethnoarcheology—
departmental edition, 8872
document edition, 9048
- Crowder, Dwight F., mineral resources of Devil Canyon-Bear Canyon primitive area, Calif., 8155
- Croxton, Ralph J., detection and classification of ash dieback on large-scale color aerial photographs, 8116
- CREEL, *see* Cold Regions Research and Engineering Laboratory.
- CRREL, reports, 14791
- CRS, *see* Community Relations Service.
- CRT, *see* Cathode ray tubes.
- Crucibles, cast from beryllium oxide and refractory cement, impervious to flux and metal, 5152
- Crude oil, *see* Petroleum.
- Cruelty to children, *see* Children.
- Cruft, R. W., estimating potential evapotranspiration from climatological data, etc., 17831
- Cruises:**
operators, require to file evidence of financial security, etc.—
hearings, 744
law, 481
safe ocean passenger travel in U.S. (remarks), 6258
- Crumlish, Joseph D., state-of-the-art of benefit-cost analysis as related to transportation system, 1525
- Crustaceans:**
crayfishes and their epizoitic ostracod and branchiobdellid associates of Mountain Lake, Va., region, 15604
decapod crustaceans from St. Helena Island, South Atlantic, 6945
entocytherid ostracods, new genus, etc., 5305
Gonodactylus Bethold, demanil section, new species, 14541
Hemicytheridae and Trachyleberididae (Ostracoda) off northeastern North America, classification and distribution, 8174
Hemisquilla ensigera, comparison of Australasian and American specimens, 6955
Manningia, notes on genus and description of new species, 6968
myodocopid ostracod—
Euphilomedes astrotrata, from Maldiv Islands, 6954
families Philomedidae and Pseudophilomedidae, 6963
from Great Bahama Bank, 8543
from Red Sea, 5315
Saristella species, 6971
ostracods, new genus and 3 new species, with key to genus Dactylocythere, 6966
parasitic copepod Sphaeronellopsis monothrix and its myodocopid ostracod host Parasterope pollex, 15605
review of genus Odontodactylus, etc., 14535
see also Amphipods—Copepods.

- Cruz, Oscar Valdes-, *see* Valdes-Cruz, Oscar.
- Cruz-Munoz, Federico de la, relief, 13516, 13611, 13764
- Cruzin, tumorigenesis of trypanosoma cruzi as basis for biotrophy of cancer, USSR study, 6548
- Cry, George W., tropical cyclone rainfall effects on distribution of precipitation over Eastern and Southern U.S., 15230
- Cryogenics:
- cooling reduces high voltage arcing between electrodes operating in vacuum, 5146
 - crack growth on flat and curved surfaces at cryogenic temperatures, continuity gage measurement, 2721
 - electromechanical instrument continuously measures density of flowing fluids, 9844
 - fatigue data developed for Inconel 718, 8472
 - fluid, pressure effect of sound wave, 12940
 - fluid, quick attach and release coupling assembly, self-aligning, self-sealing, 6789
 - fluid sampling device permits testing under hazardous conditions, 6814
 - gases, temperatures, fast response thermocouple measurement, study, 6820
 - hydrogen flowing turbulently in straight and curved tubes at high heat fluxes, heat transfer, 6713
 - infrared reflectances of metals at cryogenic temperatures, 6922
 - insulation, inexpensive replacement for vacuum jacketed line, 16877
 - jacketed piping, stress-relieved, 15553
 - liquid experiments in orbit, 5164
 - liquid level controllers, automatic, safe for use near combustible substances, 1466
 - liquid, reclamation system, 18007
 - liquids, experiments in orbit settling and interface dynamics, 2608
 - nickel alloys for use at cryogenic temperatures, excellent spring properties developed, 17930
 - refrigeration system—
 - improved, 12885
 - Joule-Thomson process, errata, 12989
 - seal remains leaktight during thermal displacement, 12837
 - single-engine Claude cycle as 4.2°K refrigerator, 14517
 - stainless steel for cryogenic service, stabilizing components, 17987
 - techniques for stripping Teflon insulated wire, 8471
 - temperature, vacuum applications, feed-thru flange useful, 6778
 - temperatures, crack growth measured on flat and curved surfaces, 17992
 - weldable high strength aluminum alloy for cryogenic service, 6776
- Cryostats, liquid helium level, maintaining with simple pump, 8465
- Crystal chemistry, *see* Chemistry.
- Crystal lattices, finite lattice heat capacity effects on spin-lattice relaxation, 14516
- Crystal Mountain mining district, composition of pegmatites, 1111
- Crystallization, amorphous boron powder recovery and purification of boron from residues and scrap, 12017
- Crystallography:
- crystallization of natural rubber (lecture), 9935
 - dislocation structures in slightly strained tungsten and alloys, 14486
 - neutron diffractometer allows both magnetic and crystallographic analyses, 12835
 - x-ray structural analysis of globular proteins, USSR study, 12726
- Crystals:
- crystal microbalance measures condensable molecular fluxes, 6744
- Ice—
- growth rates, studies, 6447
 - hexagonal and cubic, at low temperatures, study, 17375
 - nucleation and growth, 6442
 - quartz, detect gas contaminants during vacuum chamber evacuation, 14416
 - rhodium, single-crystal and polycrystalline, friction characteristics in vacuum, 9912
 - semiconductor, thin film process forms effective contacts on, 11471
 - silicon carbide, process facilitates photoresist mask alignment, 11473
 - silicon, high-purity single-crystal, proton bombardment, 11534
 - zinc sulfide, cobalt-doped, bleaching effect under influence of ruby laser pulses, 9926
 - see also* Liquid crystals.
- Ctenostomata, *see* Victorella.
- Cuba:
- political prisoners and their relatives, hearings, 957
 - refugees movement to United States, agreement, 2903
 - translations, 3953
- Cubans:
- correspondents report on North Vietnam, 15410
 - refugees—
 - assistance, appropriations, 1967, law, 405
 - assistance, appropriations, 1968, hearings, 15014
 - status, adjustment—
 - law, 445
 - reports, 662, 706, 909
- Cubas, Fidel Rodriguez-, *see* Rodriguez-Cubas, Fidel.
- Cubison, Robert W., effect of canards in reducing launch vehicle flight loads, 14496
- Cucchiara, Orlando, development of krypton-85 as universal tracer, 13335
- Cucumbers, pickleworm control, 4116
- Cucurbits, pickleworm control, 4116
- Cuing techniques, training tasks, phase 3, 15635
- Culex, *see* Mosquitoes.
- Culicidae, *see* Mosquitoes.
- Cullen, Joseph P., battles of Fredricksburg, etc., where hundred thousand fell, 1533
- Cullen, William C., thermal-shock resistance for built-up membranes, 15584
- Culligan, Glendy, high school and cultural illiterate, 7899
- Cullom, Richard R., solidification in thermal-energy storage systems with axisymmetric heat-transfer solutions, 5246
- Culture:
- changing patterns of work and leisure, 5042
 - Chinese cultural revolution as seen by Alberto Moravia, 16736
 - cultural relations, agreement with—
 - Morocco, 10102
 - Rumania, 11869
 - Union of Soviet Socialist Republics, 7182
- early cultures in south coastal Guatemala, 9954
- educational and cultural diplomacy, 7150
- exchange, international, 4080-81
- future international meetings, world list, 4074
- high school and cultural illiterate, 7899
- influences on children, research programs, studies in progress, 8967
- international exchange of persons program, 14678
- international information and cultural series, 7150, 14678, 17226

Culture—Continued

Mandan culture history, interpretation—departmental edition, 11973
document edition, 12193
Mao's cultural revolution, review by USSR's Literary gazette, 12760
materials, importation agreement—implement—
 hearing, 951
 law, 371
 reports, 653, 655, 903
text, 5549
presentations, USA, report, 17226
visual and auditory materials of cultural character, circulation, agreement and protocol, 5546
youth, its values and beliefs, 7232
Culvert pipe, see Pipe and pipe fittings.
Culverts, corrugated metal pipe, structural design, criteria and recommended installation practices, 2843
Cumberland Plateau, Upper Cumberland Coal Reserve District, land disturbances from strip-mining, 8077
Cummings, William H., forestry research progress, 1966, McIntire-Stennis cooperative forestry research program, 13902
Cummins, Joseph M., feasibility of mass, outdoor cultivation of *Gonyaulax catenella*, 15684
Cunningham, Herbert J., flutter analysis of flat rectangular panels, 6910
Cunningham, T. J., jr., Army digest, 3042
Cunnington, George R., jr., performance of multilayer insulation systems for temperatures to 700°K, 17943
Cupola-furnaces, how to inspect chart, 9689
Cupps, Cecil Q., reservoir oil characteristics, Cut Bank field, Mont., 8376
Cure for Chagas disease discovered, Brazil, 11243
Cureant storage unit, 11770
Curle, Marie S., centenary, symposium celebration (remarks), 17404
Curran, E. M., Air Force Medical Service Digest, 3994
Curran, Arthur N., heat-transfer study of regeneratively cooled hydrogen-fluorine rocket engine, 17006
Curreneces, see Money.
Currency, see Money.
Current application of cybernetics in USSR, 12730
Current discharge at selected stations in Pacific Northwest, 3907
Current economic analysis, CEA-series, 3341, 3874
Current export bulletin, 3167
Current Federal workforce data, 1919, 10421
Current fishery statistics, C.F.S. series, 1074-75, 3024, 3073, 3335-36, 3338, 3363, 3378, 3530, 3533, 3545, 3546, 3553, 3564, 3621, 3628, 3638, 3836, 3876, 3884, 3940, 4038, 8013-18, 9502-13, 11072-74, 12540-544, 14054, 16610-618, 17769-771
Current housing reports, 3168
Current industrial reports, 3169-70, 3540, 4322-47, 5853-76, 7478-82, 8938-48, 10352-359, 12067-83, 13386-897, 14825-830, 15990-16007, 17429-437
 announcements and order form, 4325, 8948
Current meters:
 isotopic water current meters, DWICA's, 13328
 performance, laboratory determination, 4729
 Price current meters, description, etc., 9951
Current population reports, 3171
Current retail trade reports, 3172, 17439
Current selected services report, 7490
Currents, see Air—Electric currents—Lake currents—Ocean currents.
Curriculum:
 adult basic education, beginning local, guide, 4708

Curriculum—Continued

beginning Russian 2, USAFI study guide, 974
closed circuit TV maintenance course, class C, 7015
Coast Guard Academy, catalogue of courses, 14879
course and curriculum improvement projects, mathematics, science, engineering, 5324
high school and cultural illiterate, 7899
labor courses, Civil Defense Office references, 14845
management course presentations, 13115
National Center for Air Pollution Control, July 1967-June 1968, bulletin of courses, 18153
National Center for Radiological Health training and manpower development program, 13085
research abroad, overseas projects in education, 1014
university, in marine sciences, 17752
vocational and technical education programs determining courses of study, 1017
Curry, Rembert L., testing aggregate, 6215
Cuth, Ernest A., relative pressure changes in coal pillars during extraction, 12829
Curtis, H. Allen, generalized decomposition theory of finite sequential machines, 18008
Curtis, Lindsay R., alcohol, fun or folly?, 18104
Curtis, Robert O.:
 comparison of site curves for Douglas-fir, 2309
 formula for Douglas-fir total cubic-foot volume table, 1092
Curtiss, H. C., jr., Princeton dynamic model track, 7409
Curvature (mathematics):
 pressure distribution curves applicable to pneumatic tires, experimental study, 11401
Cushman, Bernard, remarks, Oct. 10, 1967, 18088
Cusick, Leo J., remarks, Apr. 17, 1967, 9583
Cusimano, John P., paper, Aug. 26-27, 1967, 17392
Custer County, S. Dak., Hot Springs quadrangle, geology, 12597
Customs, see Tariff.
Customs Bureau:
 appropriations, 1968, decrease, proposal, 10695
 duty free sales of certain waste produced from imported conditionally duty-free carpet wool, GAO review, 12591
Customs Court:
 cases adjudged—
 Customs Court reports, 972, 9359, 16454
 in Treasury decisions, weekly report, 3977
 customs bulletin, weekly, 3174
Customs districts:
 by continent, airborne foreign trade, summary reports, 3995
 code classification used in compiling U.S. foreign trade statistics, schedule D, 4359, 8936
 exports of merchandise, summary reports, 4005
 imports of merchandise, summary reports, 4006
Cut Bank field, Mont., reservoir oil characteristics, 8376
Cuthbert, F. P., jr., insects affecting sweet-potatoes, 15537
Cutter, Doris, workshop for Baptists on deafness and rehabilitation, 2968
Cutting of metals, see Metal cutting.
Cutting tools:
 metal, current industrial reports, 12075
 metal, industry, 1961-66, shipments, 15984
Cuttings, see Reproduction.
Cuyahoga County, Ohio, children in need, federally assisted aid program to families, study, 4386

CW, see Radio communication.
 Cyanogen, CN violet radiation behind shock waves in air contaminated with carbon-bearing compounds, analysis models, 9905
 Cybernetics:
 and control theory, USSR studies, 5021, 15367
 application in system of control sciences, USSR study, 9660
 Communist Chinese abstracts, 3117
 cybernation and social change, seminar, 6596
 East European abstracts, 3219
 economic, for solving problems, Rumanian studies, 1309
 economy and industry, USSR study, 6537
 in service of Communism, information theory, computer technology, and semiotics, 12742
 machine thinking, USSR study, 2456
 mathematical problems, and computer engineering, USSR study, 16784
 medical, introduction, 14503
 military science, scientific and philosophical application, USSR study, 1197
 problems, USSR study, 1318
 psychology of sets and cybernetics, 8264
 pursuit urged, USSR study, 1225
 recent developments in USSR, 8259
 research at AtlantNIKO, 1202
 role of Bulgarian scientists, 1159
 strategic importance, USSR study, 17875
 technical, problems of control of Soviet science, 2427
 testing student's knowledge, 8864
 USSR—
 abstracts, 4027
 current applications, 12730
 discussion by academicians A. L. Berg, 4975
 organization of interdisciplinary studies, 15349
 publications on applied problems in technical cybernetics described, 14262
 research, 6499
 self-organizing control systems, 9617
 translations, 14272
 utilization in clinical oncology, USSR study, 6553
 Cybernetics (USSR periodical):
 translations, 3176
 Cycling, thermal and bias cycling stabilizes planar silicon devices, 12902
 Cyclohexane, 1,4 cyclohexanebis (methylamine), regenerative carbon dioxide absorbent, 8589
 Cyclones, tropical rainfall, effects on distribution of precipitation over eastern and southern United States, 15230
 Cyclopoidae, see Copepods.
 Cyclotrons, ion wave generation in uniform and nonuniform plasma and electron inertia effects, 12962
 Cylinder pressmen, see Pressmen.
 Cylinders:
 aerodynamic characteristics for cone cylinders-frustum-cylinder configurations, 9804
 axially compressed eccentrically stiffened, plastic buckling, 5249
 corrugated, large diameter, with eccentric ring stiffeners, bending tests, 1506
 flat-front family, effects of Reynolds number and flow incidence on flow characteristics, 9903
 hemisphere, effect of roughness on heat transfer at Mach number 10.4 and 11.4, 8492
 hollow elastic, bonded to thin casing of different material, vibrations, 18048
 hollow, transient radiation and conduction, 17941
 large-diameter ring-stiffened, subjected to hydrostatic pressure, test, 1479

Cylinders—Continued
 metal, mechanism facilitates coating inner surfaces, 8478
 nonconcentric rotating, superlaminar flow between, 12852
 open-ended circular cylindrical microwave cavities, errata, 11485
 positive displacement, measures corrosive liquid volume, 6756
 radiation through plasma sheath, 5176
 ring-stiffened corrugated, structural efficiency in axial compression, 14470
 sandwich, thermoelastic and viscoelastic cylindrical sandwich shells, equations, 1436
 single-source mechanical loading system produces biaxial stresses, 17990
 thin-walled—
 circular, nonlinear flexural vibrations, 14482
 radial displacements, 17947
 thermal bending plus twist, of open section, with application to gravity gradient booms, 15561
 Cylindroleberidae, see Crustaceans.
 Cynthia, Ky., meteorite, composition, 18089
 Cyphocaris challenger, see Amphipods.
 Cyprus:
 background notes, 11816
 capsule facts for Armed Forces, 15912
 mineral industry, minerals yearbook chapter, 6648
 Cystic fibrosis, see Fibrosis.
 Cystic lymphadenopathy, see Lymphadenopathy.
 Cytochemistry:
 neuron differentiation in different parts of rabbit brain, USSR study, 14221
 ultrastructures, USSR, 12697
 Cytogenesis, somatic, problems, USSR study, 12684
 Cytology:
 diagnosis, differential, of precancer and cancer of cervix uteri using fluorescence and phase-contrast microscopy, USSR study, 12700
 exfoliative, using for early detection of oral cancer, training course summary, 18161
 morphology of brain tumor cells using anoptical microscope, USSR study, 12739
 photodiffusion in nerve and muscle cells under effect of local and irradiating excitation, USSR study, 14259
 study of effects of deuterium, environment, 16881
 Cytospectrophotometric research on DNA content in tumor cells of human brain, 12757
 Czechoslovakia:
 capsule facts for Armed Forces, 15918
 computer technology, state, 15409
 drugs, psychopharmacologic and psychotomimetic, research, 16774
 entomological research, main centers and principal achievements, 2472
 gnatobiology, 16761
 mineral industry, minerals yearbook chapter, 2551
 Ministry of Health directives on control of pharmaceuticals, 12685
 scientific research and development base in Slovakia, 17876
 study mission report, 7809
 subject index of legal regulations published during 1966 in Sbirka Zakonu CSSR, 15423
 U.S.S.R. boundary, study, 17225

D

D.C. Transit System, Inc., franchise act, amend rel. to mass transit subsidy, hearing, 12293

D.H.I.A., *see* Dairy herd improvement associations.

D.S.A., *see* Defense Supply Agency.

Daane, J. Dewey :
 remarks—
 Oct. 24, 1966, 1067
 Jan. 31, 1967, 4784
 Sept. 11, 1967, 16598

Dactyloctenere, *see* Crustaceans.

Dahms, Walter G., low stand density speeds lodgepole pine tree growth, 11117

Dahomey :
 labor conditions, 1372
 Peace Corps volunteers, agreement, 17237

Daily food guide, 7837, 9333

Daines, Jay V., fabrication techniques for fiber glass reinforced primary aircraft structures, 4222

Dairy cattle, *see* Cattle.

Dairy farms, *see* Dairying.

Dairy herd improvement associations :
 DHIA cow performance index list, registered progeny of DHIA sires, 8807
 national cooperative program, 3188
 dairy herd improvement, records, 4104
 sire summary list, 7245, 17299

Dairy industry, *see* Dairying.

Dairy plants, *see* Dairying.

Dairy products :
 annual statistical summary, 7200
 farm-retail price spreads, 10181
 how to use USDA grades in buying, 5671
 import act of 1967, hearings, 10801
 manufactured products, 1966 production, 14699
 marketing, 4697
 purchases and utilizations of dairy products under price support program, 1965-66 marketing year, 21
see also names of products.

Dairying :
 commercial dairy farms, northeast and midwest, costs and returns, 16488
 dairy-herd-improvement letter, national cooperative improvement program, 3188
 dairy herd improvement through national cooperative improvement program, 4104
 dairy manufacturing firms in Minnesota, utilization of plant capacity, 12454
 dairy market statistics, 1966, annual summary, 7298
 dairy marketing economics, research publications, bibliography, 13950
 dairy plants surveyed and approved for USDA grading service, list, 6131, 13887
 dairy situation (periodical), 3189
 foreign agriculture circulars, 3345
 indemnity payments to dairy farmers, extend—
 law, 16140
 reports, 14981, 15088
 1966 pasture season, 1643
 publications, price list, 2800

Dakan, Norman E., intelligence, supp. 1, PACAF basic bibliographies, 7338

Dale, John M., preparation of low density sulfur foam, 17379

Dale, R. H., ground-water geology and hydrology of Kern River alluvial-fan area, Calif., 1116

Dales, Sophie R., benefits and beneficiaries under public employee retirement systems, 11798

Dallas, Tex., area wage survey, 6611

The Dalles, Oreg., artificial recharge through well tapping basalt aquifers, 16700

The Dalles Dam, fish passage report, 13974

Dalrymple, Dana G., controlled atmosphere storage of fruit, 7959

Dalrymple, Glenn V. :
 biological effects of space proton environment, 4176
 protons and space travel, 1731

Dalrymple, Tate, measurement of peak discharge by slope-area method, 11185

Dalton, Leonard J., relief, 285, 842

Dalton, Patricia, source arrangement for low-exposure-rate total-body irradiation facility for man, 13338

Daly, Angela R. :
 census of manufacturers, 1963—
 area statistics, 7462
 expenditures for new plant and new equipment, 7455
 summary and subject statistics, 7460
 value of manufacturers' inventories, 7454
 census of mineral industries, 1963—
 employment and related activities, 7469
 fuels, electric energy, and selected supplies used, 7470
 general summary, 7466
 power equipment in mineral industries, 7471
 size of establishments, 7467
 type of organization, 7468
 water use in mineral industries, 5848

Damadian, Raymond, abnormal phosphorus metabolism in potassium transport mutant of *Escherichia coli*, 10235

Damazo, Elpidio D., and wife, relief, 14931

Damm the torpedoes, 17908

Dampers :
 fluid state hydraulic damper, 10286
 local, in lumped-parameter systems, method of relating to modal damping, 5228
 reduces effects of resonance on force transducer, 5216

Damping :
 aerodynamic, in pitch and yaw, of Gemini configurations, errata, 1474
 behavior of Dellavilland stem booms, 11539
 frequency and viscous, of liquids during weightlessness, experimental investigation, 15571
 liquid oscillations in large-scale cylindrical tanks, effectiveness of flexible and rigid ring baffles, 8493
 modal, method of relating to local dampers in lumped-parameter systems, 5228
 reaction jet damping and attitude control system for spinning body, simulation, 8485
 structural composites with viscoelastic shear-damping mechanisms, 6728
 structural joint, effect of model scale, experimental investigation, 18025
 structural response, analysis with different forms, 14450

Dams :
 arch, preliminary design, guide, 5479
 construction begun in Kazakhstan, 12670
 construction near Alma-Ata, Kazakh SSR, eyewitness report, 14244
 measurement of peak discharge by indirect method, techniques, 9576
see also names of dams or bodies of water.

Dancing, plis please, 1011

Danger areas, Pacific Ocean, 11641

Dangerous articles, *see* Hazardous substances.

Daniel, Price, nomination, hearings, 17639

Daniels, Raymond B., physiographic history and soils, entrenched stream systems, and gullies, Harrison County, Iowa, 1722

Danielson, V. A., iron and steel scrap in southeast, 12797

Danisch, John A., relief, 13584

Dansby, William L., employee earnings and hours in—
 metropolitan areas of the South, 5071
 nonmetropolitan areas of South and North Central regions, 15447

INDEX 1967

- Danville, Ill., Danville Junior College, land conveyance to, 4496
- DAPAC, danger areas in Pacific, 11641
- Dark adaptation, recovery, effect of wavelength and bandwidth of red light on, 14318
- Darling, John M., wave record program at CERC, 10951
- Darrow, George M.:
strawberry culture, south Atlantic and Gulf Coast regions, 1685
strawberry varieties in United States, 17309
- Darters (fishes):
type specimens (Pisces, Percidae, Etheostomatini), catalog, 6951
- Data, *see* subjects.
- Data access descriptions, 8955, 16028
- Data-collection forms and procedures for census and related surveys, 16041
- Data compression:
first-order polynomial predictor for data compression, 8491
with error-control coding for space telemetry, 11558
- Data compression processors, *see* Processors.
- Data management, 5702
- Data processing, *see* Electronic data processing systems.
- Data recorders, *see* Recording instruments.
- Data storage and retrieval systems, *see* Information storage and retrieval systems.
- Datcherute, Elizabeth, or heirs, relief, 610
- Dates (fruit):
growing in United States, 29
production, use, value, 1965-66, by States, 14696
- Davenport, Iowa:
area wage survey, 6606
bridge across Mississippi River, reconstruction, etc., authorize construction of additional span, report, 2095
motor carrier accident, 1153
population, special census, 8953
- David Taylor Model Basin, report, 11682
- Davidson, Katherine H., preliminary inventory of general records of Housing and Home Finance Agency, 14507
- Davidson, Ronald C., weak turbulence in homogeneous plasma, 8906
- Davidson County, Tenn., housing and urban renewal in metropolitan area, report, 12099
- Davila, Luis Tapia, *see* Tapia Davila, Luis.
- Davis, Chester E., relief, 794, 9257.
- Davis, Donald R., revision of moths of subfamily Prodoxinae, 8535
- Davis, Jefferson C., partial-pressure suit, 10237
- Davis, John G., jr., compressive behavior of plates fabricated from glass filaments and epoxy resin, 9595
- Davis, L. E.:
mineral industry of—
California, 6646
Nevada, 8358
- Davis, R. M., ice surface movement on Tuto ramp in north Greenland, 11983
- Davis, Robert, approach roads, Greenland, 15932
- Davis, Robert T., water supply outlook and Federal-State-private cooperative snow surveys for Washington, 4051
- Davis, Ross D.:
addresses, etc.—
Feb. 17, 1967, 6158
May 27, 1967, 10904
Aug. 8, 1967, 13934
- Davis, Theodore F., radioactive waste processing and disposal, 5786
- Davis, True:
remarks—
Nov. 25, 1966, 1654
Jan. 28, 1967, 5574
Jan. 30, 1967, 7214
Feb. 27, 1967, 7211
Mar. 1, 1967, 7210
- Davis, True—Continued
remarks—continued
May 17, 1967, 11886
Aug. 23, 1967, 15810
- Davis-Bacon act, *see* Government contracts.
- Davis Strait, sailing directions, 9968
- Davison, Harry W.:
control of nuclear reactor with gaseous control system, 14485
digital computer program for calculating steady temperature, etc., 16987
- Dawes, Richard E., mineral industry of Illinois, 6650
- Day, James V.:
remarks—
Feb. 12, 1967, 6259
Oct. 11, 1967, 16379
- Day care of children:
children in day care, with focus on health, 7513
day care and working mother, magnitude of problem on national scale (talk), 11908
District of Columbia, public services, provide, report, 16383
Federal funds for day care projects, 8792, 10140
nursery enrollment of children under 6, 10937
spotlight on day care, National Conference on Services, proceedings, 1894
working women and day care needs, consultation, preliminary report, 15820
- Dayhoff, M. O., thermodynamic equilibrium in prebiological atmospheres, etc., 11426
- Days, *see* names of special days.
- Daytime programs for children, basic goals and common elements, 4363
- Dayton, Ohio, area wage survey, 11316
- DCA, *see* Defense Communications Agency.
- DCAA, *see* Defense Contract Audit Agency.
- DDT, effects on ecology of salmon streams in southeastern Alaska, 8040
- Deaf:
behavioral aspects, research, conference proceedings, 2967
captioned films for the deaf—
catalog, 7891
program, 10929
law and the deaf, 17183
model secondary school to serve National Capital region, Gallaudet College, establishment, etc.—
law 408
law, legislative summary, 8192
opportunities for the hard of hearing and the deaf through vocational rehabilitation, 1662
workshop for Baptists on deafness and rehabilitation, University of Tennessee, 2968
see also Sign language.
- Deaf-Blind Youths and Adults, National Center for, *see* National Center for Deaf-Blind Youths and Adults.
- Deaf, Convention of American Instructors, *see* Convention of American Instructors of the Deaf.
- Deafness, *see* Deaf.
- Dealers:
commercial seed and planting stock, directory, 8125
gasoline service stations and liquefied petroleum (LP) gas, census of business, 1963, retail trade, 4270
poultry, national improvement plan, participants, 5615
supplement, 10150
subject to certain sections of title 1, National housing act, list, 11010
- Dear student leaders, exchange of correspondence on Viet-Nam, 7143
- Deardorff, Donald K., hafnium-carbon phase diagram, 14340
- de Arlas, Maria del C. T., *see* Arlas, Maria del C. T. de.

- Death:**
 Federal employees, payment of dual benefits for same death, procedures for preventing, GAO review, 12592
 infant and perinatal mortality in—
 Scotland, 5466
 United States and 6 West European countries, international comparison, 8659
 infant mortality in Norway, problems, 17167
 life table functions estimated from sample of deaths, 8657
 morbidity and mortality weekly report, 3585
 mortality, vital statistics of U.S., 7099, 15717, 18190
 records, where to write, 11765
 registration—
 funeral directors' handbook, 17142
 medical examiners' and coroners' handbook, 15695
 physicians' handbook, 13088
Death certificates:
 description of diseases frequently reported, training unit for nosologists, 8656
 how to obtain, compilation, 10701
 print as Senate document, report, 10782
 Death of a giant, dutch elm disease still takes its toll, 15872
 Death Valley National Monument, general information, 2754
 de Aubri, Pelagie G. F., or heirs, relief, 610
 Dehano, Leonard F., formation of non-wettable soils involves heat transfer mechanism, 11124
 DeBarr, Gary L., two new sucking insect pests of seed in southern pine seed orchards, 15283
Debates and debating:
 high school topic 1966-67, selected excerpts and references, 2002
 high school topic 1967-68, selected excerpts and references, 10698
Debentures:
 Federal intermediate credit banks, delete interest rate limitation—
 hearing, 707
 report, 633
Debits, see Banks and banking.
Debt:
 debt pooling, State laws prohibiting or regulating, 5048
 summary, 16811
 farm mortgage, 2175
 home mortgages, estimated, quarterly, 3244
 management, orchestration, initiative and innovation in central banking (remarks), 9493
 provable, dischargeability and nondischargeability, authorize bankruptcy courts to determine, hearing, 16420
 refunding of indebtedness due, agreement with Greece, 8735
 reserve for certain guaranteed debt obligations, income tax deduction, law, 435
 see also Public debt.
 Debtors, accounts, effort to collect or otherwise settle, Farmers Home Administration, GAO review, 4879
 see also Creditors.
 de Burgh, Juanita C., relief, 262
 de Butts, Edward, relief, 612
Decaborane:
 inhibition of aromatic L-amino acid decarboxylase, 14775
 mediated norepinephrine depletion reversal by methylene blue, 1730
 toxic, alterations in tissue amines, modified by hydrazines and propynylamines, studies, 7357
 Decapods, *see* Cambarus.
 Decarboxylase, aromatic L-amino acid, inhibition by decaborane, 14775
 DeCarlo, J. A., coke and coal chemicals, 5100
 Decay (radioactive):
 influence of parent and daughter decay on tracer diffusion profiles, 14489
Decay (timber):
 cottonwood and willow, stored, relation of visual estimates of decay to specific gravity loss, 2299
 Englemaun spruce in Colorado, indicators, and associated decay, 6371
 factors influencing decay of untreated wood, 8066
 heartwood of native species, comparative resistance, 8065
 wood decay in houses, how to prevent and control, 17316
Decedent's estates:
 District of Columbia escheat cases, settlement by commissioners—
 law, 12175
 reports, 7688, 12380
Deceleration:
 holst is automatically stopped at low deceleration rate, 5213
 test vehicle, static longitudinal aerodynamic characteristics, 6897
Decelerators:
 aerodynamic wakes, their structure and influence upon, 9808
 flexible, towed tension shells, flutter characteristics, 9818
 rigid, towed behind massive body, flutter characteristics, 9814
Decennial review conference on cell tissue and organ culture, 18172
Deception, see Camouflage.
Deciduous fruits, see Fruit.
Decision-making:
 decisions and control of troops, theory, USSR study, 15366
 Federal research and development programs, report, 15001
 generating random information for experimental decision problems, 4225
 in Federal budget, better information (remarks), 1060
 quantitative methods for management, 11591
 tactical, skills, generalized, research, 9982
 taxation, key factor in business decisions, 1598
 updated graphic vs. alpha-numeric information, 10282A
Decision problems, see Statistical decision.
Decision Sciences Laboratory, final biennial progress report, 8861
Decisions, dynamic launch decision criteria, system automatically provides, 17974
 see also names of courts, etc., rendering decisions—*also* subjects.
Decisions from the field, 16497
 Decker, John L., relationship of mycoplasma to rheumatoid arthritis and related diseases, 2833
Declaration of Independence, text, 10691
Decoding, command processors system, 14479
Decomposition:
 characteristics of char-forming phenolic polymer used for ablative composites, 6862
 generalized theory of finite sequential machines, 18008
 slash disposal, laboratory tests fail to confirm acceleration by chemical treatment, 8086
 thermal—
 kinetic properties of KMaO_4 , result of CO^{60} -irradiation, 11570
 uranium oxides in vacuum, USSR study, 16743
Decompression:
 hazards in small pressurized aircraft, evaluation, 17414
 near-vacuum, heart rate response to, of anesthetized and unanesthetized dogs, 4180

INDEX 1967

Decompression—Continued

- rapid—
 - central nervous system of dog to 1 mm. Hg, residual pathologic changes, 174
 - foods near vacuum conditions, 1735
 - repeated, cardiovascular responses in anesthetized dogs to near-vacuum exposure, 78

Decompression sickness, *see* Aeroembolism.

Decontamination:

- BW, with hypochlorite, application to STOP system, exploratory studies, 10012
- naval vessels, USSR study, 8248
- rigging CW-BW water pretreatment decontamination set, airdrop, Army technical manual, 10280

Decoration and ornament, starfishes, ornamental use, 6346

Decorations of honor:

- foreign, acceptance by government officials and employees, establish basic uniform standards—
 - law, 391
 - Ramseyer rule print, 734
- Navy and Marine Corps, ribbons of decorations and awards (poster), 11663
- Order of Isabella the Catholic, award to Eugene J. Keogh, authorize acceptance, 4493

Decoupling:

- multivariable control systems, design and synthesis, 18046
- seismic, at nuclear level, experiment, Project Drizzle, Salmon event, Vela Uniform program, Tatum Salt Dome, Miss., 1808-10, 8911

DeCourcy, John, world production and trade, tallow and greases, 4817

Decouvrez un nouveau mode de gastronomie, visitez les Etats-Unis, 17275

Dedicating your new facility, 13056

Dediot, Luis G., relief, 828, 9211, 10529, 12151

Deductions, *see* Income tax.

Deed of trust:

- appointment of new trustees in D.C.—
 - law, 420
 - report, 704

Deer:

- browse resources of Uwharrie National Forest, 8124
- browsing in northern hardwoods after clearcutting, effect on height, etc., 8109
- key, conservation, law, 388

Deering, R. A., molecular aspects of biological development, 6711

Defense, *see* Civilian defense—National defense.

Defense communications, *see* Military communications.

Defense Communications Agency:

- DCA circulars, 4667-68, 9360, 16455
- DCS equipments/systems performance standardization program, circular, 9360

Defense Contract Administration Services, traffic management handbook, 10889

Defense Contract Audit Agency:

- auditing career, 16459
- career opportunities for auditors, 9365
- organization, functions, and relationships with General Accounting Office, hearing, 15030
- reviews of contractors' price proposals, GAO report, 6385

Defense contracts, *see* Government contracts.

Defense Department:

- air transportation provided for dependent children of personnel, GAO review, 9545
- annual report, 2149
- appropriations, 1966, supplemental, hearings, 13842

Defense Department—Continued

- appropriations, 1967, civil functions, law, 403
- appropriations, 1967, homeowners assistance—
 - hearings, 7796, 9147
 - reports, 9277, 10564, 10572
- appropriations, 1967, law, 401
- appropriations, 1967, military procurement, report, 2014
- appropriations, 1967, supplemental—
 - hearings, 7736, 7794, 7799
 - law, 9038
 - military procurement and construction, etc.—
 - law, 9035
 - report, 6087
 - reports, 7665, 7667, 7673, 7704, 9268
- southeast Asia military operations—
 - hearings, 6031
 - law, 9035
 - proposal, 4492
 - report, 6087
- appropriations, 1968—
 - hearings, 9142, 10630, 13840, 16388
 - law, 16141
 - reports, 13633, 13678, 14987, 15096
- appropriations, 1968, civil functions, hearings, 16393
- appropriations, 1968, military construction, hearings, 15016, 16305, 17637
- appropriations, 1968, military procurement—
 - hearings, 7797, 9149
 - law, 12164
 - reports, 7786, 10570, 10575, 10611
- Assistant Secretary, nomination of—
 - Fitt, Alfred B., hearings, 17639
 - Goulding, Phil G., hearing, 9306
 - Warne, Paul C., hearing, 15148
- bidding, etc., costs charged to government contracts, GAO review, 8143
- cataloging and standardization program, semiannual reports, 6032, 7739, 16313
- cataloging handbook, H series, 975-976, 2144-46, 3283-93, 3322-23, 3325-27, 7847, 10886, 16457, 17688
- cataloging manual M (series) 4669, 6140, 12437, 16438, 17689
- commanders digest (periodical), 3105
- commercial two-way radio equipment, savings available by purchasing rather than leasing, GAO report, 4882
- commercial warehouse service plan for general merchandise and refrigerated storage, 15182
- construction contracts, awards, need for compliance with truth-in-negotiations act of 1962, GAO report, 12588
- contractor operated messing and merchandising services at Kwajalein Missile Test Site, new procedures adopted to improve management, GAO report, 14155
- cost or pricing data requirements in award of contracts or subcontracts, GAO report, 4867
- cost reduction journal, 3154
- cost reduction program, examination, hearings, 713
- cost reduction report, 3154
- defense industry bulletin (periodical), 3193
- Deputy Secretary, nomination of Paul H. Nitze, hearing, 15148
- DoD nationwide priority referral system, improved management, 2152
- education of dependents overseas, report, 16322
- feasibility of using U.S.-owned excess foreign currencies instead of dollars to pay for ocean shipment of military assistance program materiel, GAO report, 4866
- Government's interagency motor pool system, potential savings obtainable through increased use, GAO report, 8137

Defense Department—Continued

Granite City Defense Depot, employees relief, 779
 handbook DSAH series, 977, 3195, 4672-75, 6141-44, 7848-52, 9367, 10887-889, 12440, 13909, 17690-691
 handtool and paint stocks, transfer to GSA, GAO review, 9546
 maintenance management, 17858
 management, correspondence course offered by Industrial College of Armed Forces, information booklet, 9607
 manual DSAM series, 978-979, 2147-48, 4676, 6145-47, 7853-54, 9368, 10890-891, 13910-915, 16460-461, 17692-693
 manufacturers part and drawing numbering systems, 2146, 7847
 change, 10886
 Military Affiliate Radio System (MARS), general information, 7859
 military construction and family housing appropriations, 1967, law, 457
 military construction authorization, 1967, report, 623
 military construction authorization, 1968—
 hearings, 13695, 16395
 law, 17555
 reports, 13684, 13688, 16284, 16371
 military handbook, 980, 7860, 9370-71
 military standards, 2154, 4678, 6151, 7861-62, 9372-78, 10899, 12443-444, 13921-924, 15189-198, 16465-471, 17700
 milk procurement, price adjustments, amend U.S. Code—
 law, 410
 reports, 689, 907
 overseas household goods shipments, charges for accessorial services, GAO review, 11152
 overseas schools, extend authority for allocation of funds—
 hearings, 7742, 9153, 12419, 17664
 reports, 9118, 10557
 potential savings on volume movements of household goods from overseas to continental U.S., GAO report, 8138
 procurement of—
 foreign produced aircraft ejection-seat system, GAO review, 4881
 locomotive for Thailand under military assistance program, GAO report, 6380
 printing of technical manuals from equipment contractors, GAO report, 2345
 procurement, personnel, etc., investigation—
 authorization, report, 6009
 expenses, reports, 7677, 14979
 regulations DSAR series, 15182
 savings attainable in use and pricing of certain nonperishable foods, GAO report, 2352
 selling to military, general information, 2158
 small business and labor surplus area specialists, list, 7866
 specifications and standards, index, 13920, 15188
 supplements, 3412
 standardization documents, supply classification listing, 3324, 13919
 standardization manual M (series), 3893
 standardization policies, procedures, etc., manual, 3893
 surplus personal property, how to buy, 10897
 telephone service to military family housing occupants, methods used to provide, GAO review, 6383

Defense Department—Continued

travel regulations, civilian personnel, 3456
 United States agencies in Vietnam, audit and inspection programs, 1966, GAO review, 9553
 use of spare Government-owned communications circuits in Europe, GAO report, 16672
 Vietnam commercial import program, AID's management and operation, GAO review, 15302
 your professional auditing future, Defense Dept., 4683
 Defense disposal manual, 9368, 10890
 changes, 6146, 7853-54
 Defense facilities, see Plants (industrial).
 Defense industry bulletin (periodical), 3193
 Defense materials, see Materials—Strategic materials.
 Defense Materials System and priorities, questions and answers, 7452
 Defense procurement circular, 3194
 Defense production, see Production.
 Defense production act, see Production.
 Defense Production Joint Committee :
 annual report, 2036
 committee print, 4460
 hearings, 12185-186, 13543, 14916
 Defense Supply Agency :
 civilian career program for automatic data processing, 13910
 defense supply system, savings available by eliminating low-cost, low-demand spare parts, GAO report, 17815
 field establishment directory, 6144, 13909
 handbook DSAH series, 977, 3195, 4672-75, 6141-44, 7848-52, 9367, 10887-889, 12446, 13909, 17690-691
 index of publications and forms, 3195
 introduction to, general information, 7858
 manual DSAM series, 978-979, 2147-48, 4676, 6145-47, 7853-54, 9368, 10890-891, 13910-915, 16460-461, 17692-693
 MILSTRIP, military standard requisitioning and issue procedures, manual, changes, 6153, 15199
 poster, let's face it, security is up to you, 10901
 procurement regulation, revision, 3196
 regulations DSAR series, 15182
 traffic management handbook, change, 6142
 Defense systems resources in civil sector, 17371
 Defense traffic management handbook, change, 6142
 Defense utilization manual, 4676
 change, 2148
 Definitions and abbreviations, FAA, 1038, 9441, 12488, 1400
 Definitive designs for naval shore facilities, 15619
 Deflection :
 Dynalect evaluation for non-destructive testing of pavements, 16524
 shock induced, accurately measured with spiral spring/strain gage combination, 1468
 Deformations (mechanics) :
 deep mine stress determinations using flatjack and borehole deformation methods, 6676
 laboratory stress-deformation characteristics of soils under static loading, 2596
 prebuckling influence on buckling load of truncated conical shells under axial compression, 5187
 shallow spherical sandwich shells under local loading, 6895
 tantalum alloys resist creep deformation at elevated temperatures, 6748
 uniform, provided by porous mandrels in hydrostatic powder metallurgy, 12916
 Degreasing of titanium to minimize stress corrosion, 11476

- Degrees (colleges, universities, etc.) :
 changing pecking order (address), 17716
 degree profile and contributions of Federal
 funds for academic science, etc., 14560
 engineering (1964-65) and enrollments
 (fall 1965), 13953
- Hungary—
 doctor and candidate degrees awarded,
 1232
 doctors and candidates of sciences, list,
 9632, 14218
 master's and higher, enrollment, fall 1964,
 final report, 2182
- DeHavilland aircraft, *see* Aircraft.
- Dehydrated foods, *see* Dried foods.
- Dehydration, *see* names of commodities.
- Dehydrogenase, lactic, substrate protection
 against ionizing radiation, studies, 14774
- Deissler, Robert G. :
 effects of combined buoyancy and shear on
 weak homogeneous turbulence, 11542
 weak locally homogeneous turbulence and
 heat transfer with uniform normal
 strain, 5254
- Deitschman, Glenn H., diameter growth of
 western white pine following precom-
 mercial thinning, 4826
- Deitz, Victor R., adsorption of carbon dioxide
 on carbon solids, graphite and diamond at
 0°C, 5351
- DeJarnette, Fred R., two different inter-
 pretations of measured dissociation-rate
 constants, and their effects on coupled vibra-
 tional-dissociational flows of oxygen over
 wedge, 12943
- De Jongh, Guillermo Fresco, *see* Fresco De
 Jongh, Guillermo.
- Delambre, AIC 78 A, lunar chart, 7331
- Delacroix, Donald J., military review, 3558
- Delaware :
 area measurement reports, 7457
 census of agriculture, 1964, State and
 county statistics, 7507
 census of manufacturers, 1963, area sta-
 tistics, 153
 census of mineral industries, 1963, area
 statistics, 5829
 climatological data, 3096
 county business patterns, 1859, 12045
 electric rate book, 4773
 precipitation data, hourly, 3401
 site index of sweetgum stands in relation
 to soil characteristics, 4832
 women, labor laws, summary, 8794
- Delaware River and Valley :
 estuary, comprehensive study, summary
 of preliminary report and findings, 2272
 Martinsburg formation, Pa.-N.J., middle
 and upper Ordovician, 6395
- Delaware River Basin Commission :
 appropriations, 1967, law, 403
 appropriations, 1968—
 hearings, 10631, 16393
 report, 13678
- Delay lines, inductive delay line pickup, use
 in heterodyne phase shifter to provide
 stepless phase shift, 16977
- Del Baglivo, Anna, relief, 12229
- Del Campo, Roberto Matrin, *see* Matrin Del
 Campo, Roberto.
- de Leeuw, Frank, revised index of manufac-
 turing capacity, 4790
- Delevan National Wildlife Refuge, mam-
 mals, list, 8030
- Delgado, Antonio Rondon, *see* Rondon Del-
 gado, Antonio.
- Del Grosso, V. A., systematic errors in ultra-
 sonic propagation parameter measure-
 ments, pt. 3, Sound speed by iterative re-
 flection-interferometry, 9983
- Delinquency, *see* Juvenile delinquency.
- Delinquent children, *see* Juvenile
 delinquency.
- Deliroglu, Konstadyna B., and son, relief,
 539
- Del Norte County, Calif., forest statistics,
 4860
- DeLoach, D. B., collective bargaining for
 poultry feed prices, California, 7944
- Delta County, Colo., Delta-Montrose area,
 soil survey report, 15747
- Delta launch vehicle, *see* Spacecraft.
- Delta National Wildlife Refuge, birds, list,
 17781
- Delta wings, *see* Wings (aircraft).
- Del Valle Dam and Reservoir, Alameda
 County, Calif., State-constructed, planned
 Federal contribution toward cost, Corps
 of Engineers (civil functions), Army
 Dept., GAO review, 6384
- DeMalne, P. A. D., solid system, numeric
 compression, alphanumeric compression,
 14519
- Demand, *see* Supply and demand.
- Demineralization of saline water, *see* Water.
- Dening, Frederick L. :
 remarks—
 Nov. 22, 1966, 2946
 Dec. 8, 1966, 2953
 Sept. 15, 1967, 17270
 Oct. 19, 1967, 18241
- Democracy :
 continuous living process (remarks),
 15810
 dissent and democracy (address), 12531
 labor-management relations, 25 millionth
 vote, milestone in industrial democracy
 (remarks), 6939, 8532
 scientific management and democracy, East
 Germany, book review, 16759
- Democratic Republic of the Congo (Kin-
 shasa), *see* Congo (Kinshasa).
- Demodulators threshold reduction tech-
 niques study, 6716
- Demography :
 family planning programs in developing
 countries, 8227
 osteoarthritis in adults, demographic char-
 acteristics, 5468
- DeMolina, Eladio R., relief, 12335
- Demolition, *see* Wrecking.
- Demonstration projects, *see* Recreational
 areas and demonstration projects.
- de Moya, Ena H. Mourino, *see* Mourino de
 Moya, Ena H.
- Denardo, B. Pat., projectile size effects on hy-
 pervelocity impact craters in aluminum,
 14468
- Denaro, John (Giovanni) :
 relief, 13752
- DeNauw, Lois J., foreign trade regulations
 of Republic of Korea, 16106
- Dendrometers, dial-gage, accuracy of mean-
 growth estimates, 8079
- de Neufville, Richard, how good are our
 schools? Armed Forces qualification test
 provides clue, 1005
- Denial and probation orders currently affect-
 ing export privileges, 11227
- Denman, James E., relief, 16173
- Denmark :
 air transport services agreement, 7153
 background notes, 18221
 educational system and problems, 9397
 mineral industry, minerals yearbook chap-
 ter, 8346
 selling in Denmark, 233
- Denningham, R. L., transmission of light
 through plane water surface and its return
 by submerged retroreflector, 13031
- Densitometers :
 electromechanical instrument continuously
 measures density of flowing fluids, 9844
 liquid hydrogen, utilizes open-ended micro-
 wave cavity, 11452
- Density :
 alpine snow covers, densification, 15933
 atmospheric—
 between altitudes of 180 KM and 300
 KM, investigation, 8860

Density—Continued
 atmospheric—continued
 upper stratosphere and mesosphere measurements, 17012
 body composition of military population, Ft. Carson, 1963, report, 120
 core samples from wells in Appalachian oilfields, 11353
 distributions, calculating, in gas containing heat sources, digital computer program, 16987
 electron-bombardment ion-thruster beam, measurement of ion and electron densities, 5244
 electron, concept for using laser beams to measure in plasmas, 6807
 gas, light scattering measurements, 11490
 glow discharge density sensor probe life extended, 14430
 hot wire techniques in low density flows with high turbulence levels, study, 6841
 metals, measurement in extreme environments by radiation counting technique, 17922
 minerals, 17818
 phenolic nylon, effect on ablative performance, 9889
 power-spectral-density computer program, 11481
 surface water, Pacific Coast, 17466
 Density stratification, *see* Stratification.
 Denon, Norman M., some bauxite and clay deposits in northeastern Alabama, 2357
 Dental administration, Navy manual, change, 8576, 14584
 Dental assistants, examination announcement, 12104
 Dental care, *see* Dentistry.
 Dental caries, *see* Teeth.
 Dental hygienists:
 examination announcement, 12104
 registered, facts for counselors, 1591
 Dental instruments and apparatus, Federal item identification guides for supply cataloging, supplements, 3290
 Dental kits, emergency, for use on space missions, development of encasement, 17353
 Dental officers, *see* Dentists.
 Dental research, spectrum of dental research, National Institute of Dental Research, 18187
 Dental science:
 collection of human parotid fluid by Carlson-Crittenden device, further modification, 10240
 expanding world in biomedical research, 18173
 flow rate effect on parotid fluid calcium magnesium, and protein concentrations in human, 10239
 thermography of human dentition, 17357
 Dental supplies, Federal item identification guides for supply cataloging, supplements, 3290
 Dental technicians, examination announcement, 12104
 Dentifrices, stannous fluoride as constituent of prophylactic paste and in dentifrice, clinical evaluation, 14319
 Dentistry:
 actuarial services for dental service corporation, 11714
 caries increments evaluation with bite-wing roentgenograms, 14321
 dental administration, Navy manual, change, 8576, 14584
 dental services for American Indians and Alaska natives, annual reports, 2810, 18159
 grant programs in dental public health, research, research training, fellowships, 8632
 group practice facilities, financial assistance for constructing and equipping, law, 465

Dentistry—Continued
 group practice facilities—continued
 summary, section-by-section analysis, legislative history, and conference report, 725
 military dependents, dental care needs, hearings, 16306
 military medical benefits act of 1966—law, 365
 report, 664
 preventive, school program, feasibility study of use of stannous fluoride mouthwash, 17352
 prints relating to dentistry, 12995
 stannous fluoride as constituent of prophylactic paste, as topical solution, and in dentifrice, clinical evaluation, 14319
 student loan program, 5435
 Dentists:
 Armed Forces dental officers, provide promotion opportunities, report, 14943
 employed by District of Columbia, exemption from licensing requirements—law, 17560
 reports, 10559, 16384
 in Indian health, 8627
 internships, Public Health Service hospitals, 15679
 residency training under public health traineeship program, 7090
 Veterans Administration instructions to participating dentists on fee basis, 7219
 Denton, Thomas C.:
 mineral industry of—
 Kenya, Tanzania, and Uganda, S355
 Rhodesia (Southern Rhodesia), Zambia, and Malawi, 12806
 South Africa, Republic of, 9760
 regional mineral industry review of Africa, 12812
 Denver, Colo.:
 area wage survey, S311
 Engineering and Research Center, Reclamation Bureau, 11768
 mineral aggregate industry, impact of urbanization, 6637
 Deonigt, D. E., formation of transuranium isotopes in power reactors, 124
 Department stores, *see* Stores.
 Dependent children, *see* Children.
 Dependents, *see* Air Force—Armed Forces—Army—Pay, allowances, etc.—Veterans.
 Depletion equations, *see* Equations.
 Deportation cases suspended, reports, 15075-76
 Deposition, *see* Plating—Sedimentation and deposition.
 Depository libraries, *see* Libraries.
 Deposits (soldiers, etc.):
 Armed Forces savings program, allotments for missing persons, etc., reports, 16266, 17626
 interest lost on deposit accounts of enlisted members, adjust—law, 451
 reports, 686, 932
 Depots, *see* Storage.
 Depreciation:
 accelerated depreciation allowance, re-store—
 hearings, 7764, 7804
 law, 12168
 legislative history, 13719
 message from the President, 9063
 reports, 7711, 7713, 9271, 10614
 accelerated depreciation allowance, suspend—
 hearings, 952
 law, 504
 law, summary, 4566
 legislative history, 2064
 report, 677
 Senate amendments, summary, 4568
 depreciable property, farmers, tax deduction from gross income for assessments for soil or water conservation or drainage districts, report, 7690
 income tax information, 4916

- Depressants, *see* Hypnotics and sedatives.
 Deprivation (sensory), *see* Sensory deprivation.
 Depth of flash optical landing system, 13032
 Depth perception, *see* Perception.
 Deputy Commander, Allied Forces in Europe, headquarters, agreement with France, 7170
 Derdul, Joseph D., liquid outflow from cylindrical tanks during weightlessness, 2720
 Derr, V. E., propagation of millimeter and submillimeter waves, 15511
 Derricksom, Gardner F., motor vehicle abandonment in U.S. urban areas, 7451
 Desalination:
 brackish water conversion demonstration plant—
 Roswell, N. Mex., report, 16718
 Webster, S. Dak. report, 15327
 dedication of Clair Engle desalting plant (remarks), 15324
 desalting for Athens, Greece, preliminary study, 10314
 desalting of water supply in Texas, potential contribution to future supply, 15328
 direct freeze separation process using refrigerant R-C318, 12644
 distillation equipment in city of Shevchenko, diagram, equipment design, etc., USSR, 1270
 electrosorption and desorption, 6445
 foam fractionation of inorganic solutions, 12642
 Freeport, Tex., plant, annual report, 17848
 international symposium on water desalination, proceedings, 9587, 11214-215
 large-scale, evaluation of liquid-liquid heat transfer, 14200
 membranes, by reverse osmosis, study, 6448
 multistage flash process, cost studies, 15329
 pilot plant reverse osmosis, operation, 2395
 plants, utilization of waste brines, feasibility study, 14196-197
 policy considerations in desalting and energy development and utilization, 15969
 reverse osmosis process, permeability requirements of membranes, 15331
 sea water conversions, conceptual design of—
 desalination plant, 2396
 fifty million gallon per day plant, 8216
 one million gallon per day plant, 15330
 ultrathin reverse osmosis membranes, fabrication and evaluation, 12641
 use of waste heat for production of fresh water, 6450
 USSR technical publications, translations, 13313
 see also Sea water.
 Desalting of sea water, *see* Sea water.
 Deschler, Lewis, Constitution, Jefferson's manual, and rules of House of Representatives, 7593
 de Schmetzing, Hannibal, utilization of infrared spectrophotometry in microcontaminant studies in sealed environments, 8869
 Descriptive cataloging, *see* Cataloging.
 Descubra um mundo novo em culinária, visto os E.U.A., 17276
 Desegregation in education, *see* Race problems.
 Desert National Wildlife Range, general information, 6353
 Deserts:
 Central Asia—
 formation, and nature of Sinkiang, study, 6585
 Hohsi corridor, Tsaidam, and Tarim basin, USSR book, 16777
 see also names of deserts.
 Deshler-Morris House, general information, 6979
 Design and development of automatic indirect blood pressure monitoring device, 73
 Design manual DM series, 2764-66, 13016, 14565-566, 17063-66, 18095
 cumulative index, change, 2766
 Design procedure for weight optimization of straight finned radiators, 6781
 Design review, *see* Reliability (mechanical).
 Designs (aircraft):
 crash survival design guide, 13309
 method for optimal attitude regulator for spinning space station, 6894
 Designs (architectural), *see* Architecture.
 Designs (industrial):
 analytical technique permits comparison of reliability of alternate mechanical designs, 15491
 hardware, NASA data retrieval system provides unlimited information, 11484
 lightweight structural design techniques for lightweight fans, 117
 shelter design and analysis, fallout radiation shielding, 14847
 structural design concepts, some NASA contributions, 16932
 technology and manpower in telephone industry, 1965-75, report, 5036
 turbine blade root design concept promises superior alignment, 6782
 Designs (patents):
 in official gazette, 3650
 Desilicizing, aluminate solutions, USSR study, 9645
 Desks, wood, flat top and typewriter, Federal standard, cancellation, 6310
 Des Moines, Iowa, area wage survey, 11315
 Desolation Valley, primitive area of Sierra Nevada, Calif., mineral resources, 11169
 Desorption, desalination by electrosorption and desorption, 6445
 Desoxyribonucleic acid:
 DNA content in tumor cells of human brain, cytospectrophotometric research, USSR study, 12757
 mechanisms of action of AET, protection of DNA against ionizing radiation by GED, 5713
 sympathetic ganglion cells and acridine orange-DNA spectra, USSR study, 12702
 Despinning, tangential yo-yo despin device on rotating body, three-dimensional analysis, 6888
 Desserts, Army recipes, technical manual, 8886
 DeStefano, Giuseppe, relief, 16185
 Destruction of salmonellae, 8
 Desulphurization, Great Salt Lake brines and sea water, preliminary studies, 6688
 Detection and investigation of attempted criminal violations of tax law, 16721
 Detection of entrapped moisture in honeycomb sandwich structures, 11453
 Detectors:
 Campbell techniques, application to reactor control systems, 7422
 continuous wave detector has wide frequency range, 17994
 infrared, use of twin helix system to produce fast scan, 6800
 light source improved, photocell shadowing technique, 2674
 measures power in 50 to 30,000 GHz radiation band, 6751
 photoionization, improved soft X-ray, 9838
 remote sensing systems, survey of detectors and dynamic calibration methods, 9809
 simple mercury vapor for geochemical prospecting, 9568
 tunnel diode low-level detection behavior, analysis, 11493
 see also Phase detectors.—Proportional counters.

- Determination of regularity of automation by its canonical equations, 6581
- De Toffoli, Mercedes, relief, 12221, 17495
- Detonations:
sympathetic, studies, 5131
symposium, proceedings, 13030
- Detroit, Mich.:
area wage survey, 11319
Federal office building, name for Patrick V. McNamara, reports, 670, 886
- Detroit Skills Center, Detroit, Mich., good training, good jobs, 16500
- Detterman, Robert L., geology of Iniskin-Tuxedni region, 8163
- Deul, Maurice, mine water research, neutralization, 9792
- Deurbrouck, Albert W.:
preparation characteristics of coal from—
Randolph County, W. Va., 2578
Upsbur County, W. Va., 14358
- Deuterium:
environment, cytology advanced by studying effects, 16881
thermal conductivities of ordinary and deuterated gaseous hydrogen fluoride and their equimolar mixture, 12961
- Deuterium oxide, see Heavy water.
- Deuterons:
breakup mechanism by 42-Mev alpha particles, 18032
(d, α) reaction on—
aluminum-27, investigation, 6552
errata, 14448
fluorine 19 and nitrogen 15, interpretation, 9873
scandium 45, differential cross section, 16989
- Devan, Thomas A., records of Dept. of State relating to political relations between U.S. and Honduras, pamphlet, 18065
- Development, see Underdeveloped areas.
- Development (economics), see Economic development.
- Development digest (periodical), 3202
- Development Planning in Alaska, Federal Field Committee for, see Federal Field Committee for Development Planning in Alaska.
- Developmental instrument supplies accurate attitude and attitude-rate data, 6770
- Devereux, John R., relief, 854
- Deviation measuring system, FM carrier deviation measured by differential probability method, 12917
- Devices:
accurately measures and records low gas-flow rates, 2677
automatic indirect blood pressure monitoring device, design, etc., 73
control, for automotive vehicles, Federal standard, 6317
device measures reaction engine thrust vector deviations, 6804
exploding bridge wire, pulse technique provides more accurate checkout, 2672
mechanical, accurately measures RF phase differences in VHF or UHF ranges, 6848
medical electronics, development, USSR study, 1264
telegraph devices, input-output for digital computer systems, USSR study, 1254
see also types of devices.
- Devil Canyon, primitive area, mineral resources, 8155
- Devils Postpile quadrangle, Calif., Cenozoic volcanic rocks, 14170
- Devine, Brian, mean blood hematocrit of adults, 10069
- Devoe, Donald B., human processing of information in weather forecasting, 8862
- DeVoe, James R., radiochemical analysis, 2746
- Devonian period, Lower Devonian stratigraphy of northeastern Pennsylvania, New Jersey, and southeasternmost New York, 11167
- DeVore, Sabiene E., relief, 12336, 16195, 17507
- DeVries, Leonard L., investigation of atmospheric density between altitudes of 180 KM and 300 KM 8860
- Dew, D. M. & Sons, Inc., relief, 16172
- Dew point, radiosonde, accuracies 40°C to -40°C, 15884
- DeWinter, F., parametric cost studies of multistage flash process, 15329
- Dexter Manor, Providence, R.I., health services, 5456
- DeYoung, Alan, relief, 777
- DHIA, see Dairy herd improvement associations.
- Diabetes:
characteristics of persons with diabetes, 14638, 18189
literature index (periodical), 3203
cumulative edition, 14621
relationship to number of pregnancies, 1960-62, United States, 5469
treatment of diabetics at Polish health resorts, 17865
- Diagnosis, television and X-ray, USSR study, 1257
see also names of diseases.
- Diagnostic tests of color defective vision, bibliography, 17411
- Diakides, Sevasti, relief, 13619, 13781, 14897
- Dialogue on adolescence, 4365
- Dials and pointers, Federal item identification guide, 17697
- Dialysis:
electrical analogue for electrodialysis, study, 9591
electrodialysis, application of inorganic ion-exchange membranes, 8214
- Diameter distributions in natural yellow-poplar stands, 9544
- Diamond, Arnold H., public facility needs and financing, 1977
- Diamond, Norene M., annual digest of State and Federal labor legislation, 14281
- Diamond drilling, statistical regression analysis, drillability studies, 2584
- Diamonds:
adsorption of carbon dioxide at 0° C, 5351
drill core, gold distribution from Homestake Mine, Lead, S. Dak., 6679
industrial, acquisition for stockpile, balance-of-payments aspects of contracts, GAO report, 15293
industrial, disposal from national and supplemental stockpiles—
law, 436
reports, 683 920
- Diapole antennas, see Antennas.
- Diary of T.I.D.E. Counselor, summer 1966, 7923
- Diatomaceous earth:
evaluation, as protectant against insects in sorghum grain, in small bins, 11933
shelled corn protectant against insects in small bins, 36
- Diaz, Beatriz, relief, 311, 595, 816
- Diaz, Carlos M. Calonge, see Calonge-Diaz, Carlos M.
- Diaz, Jose C. Suarez, see Suarez-Diaz, Jose C.
- Diaz, Jose E., relief, 557
- Diaz Franquiz, Jose J., relief, 572
- Diaz Martinez, Eleanor R., see Diaz, Beatriz.
- Diaz Zayas Bazan, Juan R., relief, 9235, 13487 13592
- Dibblee, Thomas W., Jr., areal geology of Western Mojave Desert, Calif., 17824
- Dicarboxylic acids, electron paramagnetic resonance and magnetic susceptibility of Cu (II) compounds, USSR study, 14252
- DiCarlo, Daniel J., light observation and large load-lifting helicopters, 16983
- Di Carluccio, Annunziata, relief, 10546
- 2', 5-dichloro-4'-nitrosalicylanilide, see Bayer 73.

INDEX 1967

- Dichromates, common names shipping containers, etc., technical reference, 9735
- Dickinson County, Mich., Menominee iron-bearing district, geology, 6398
- Dickson, P. F., Infrared reflectances of metals at cryogenic temperatures, 6922
- Dictionaries:
- Alaska place names, 14174
 - Chinese, in all languages, list, 7144
 - communications-electronics terminology, 8856
 - international agricultural trade, terms used, 9524
 - occupational titles, 3d edition—physical demands, working conditions, and training time data, supp., 6205
 - suffix codes for jobs defined, 9417
 - corrections and additions, 10946
 - Seneca Indian language, 13001
- Dicyandiamide:
- duty-free treatment—law, 10483
 - reports, 7696, 7787, 10563
- Didymium metals, electrowinning from their oxides, 11384
- Dielectric beamsplitters, *see* Beamsplitters.
- Dielectrics:
- constants and dissipation factors for 6 rock types between 20 and 100 megahertz, 9765
 - covers, effects over cross slots in rectangular waveguide, 18027
 - dielectric properties of promising materials for cryogenic capacitors, study made, 17977
 - input admittance of coaxial transmission line opening onto flat, dielectric-covered ground plane, 16993
 - resonant frequencies of sphere immersed in plasma, 12929
 - temperature dependence of constant of micaceous mica, at varying frequencies, USSR study, 16737
- Dies (metal-working):
- industry, problems, etc., hearings, 2061
- Diesel fuel, *see* Fuel oil.
- Diesel locomotives, *see* Locomotives.
- Diet:
- Alaska dietary survey, 14623
 - chemically defined, factors affecting efficiency, 17351
 - effects on—body compartments of rats, 10295
 - intestinal and skin flora—experimental data, 9799
 - literature survey, 2613
 - purified diets, response of channel catfish fingerlings, 8042
 - recipes, seafood slimmers, 8026
 - salmon, caloric and vitamin levels, studies, 8042
 - special dietary regulations of FDA, recommended allowances, etc., 6359
- Dietitians, Veterans Administration, interns, 13173
- Dietrich, Raymond A., price information and meat marketing in Texas and Oklahoma, 13941
- Dietrich, Wendell F., corrosion test program, 9594
- Differential equations, *see* Equations.
- Differential neutron thermalization, summary report, 13223
- Diffraction:
- Fresnel diffraction plates are simple and inexpensive, 16945
 - isotopic X-ray sources for portable stress analysis equipment, feasibility, 14809
 - vector diffraction theory, applications to terrain, 7935
 - X-ray, powder patterns, 15591
- Diffractionometers, neutron, allow both magnetic and crystallographic analyses, 12835
- Diffusion:
- anomalous, onset in electron-bombardment ion thruster, 2710
- Diffusion—Continued
- binary, in exponential medium, 2704
 - free-molecule flow and surface diffusion through slots and tubes, summary, 8508
 - impurities into silicon from gaseous sources, 1421
 - silver plating ensures reliable diffusion bonding of dissimilar metals, 11461
 - theory of thermionic converters, USSR study, 15390
- Diffusion equations, *see* Equations.
- Digestive system, tolbutamide influence on cholinesterase activity, Rumanian study, 1261
- Digests, *see* Index digests—also names of departments, etc., issuing digests—also subjects.
- Diggs, Thomas G., heat treatment and properties of iron and steel, 2739
- Digital adaptive control system, *see* Control systems.
- Digital computer systems operators:
- examination announcement, discontinuance notice, 14862
 - trainee, career opportunities, IRS, 6454
- Digital computers, *see* Electronic computers.
- Digital fibrograph, *see* Fibrograph.
- Digital filters:
- non-real-time data processing, 17935
 - random process theory aids digital data processing study, 16952
- Digital frequency counter permits readout without disturbing counting process, 6818
- Digital magnetic tape system for recording radar data, 17096
- Digital system detects binary code patterns containing errors, 2647
- Digital-to-analog converters:
- operation from low level inputs, 17968
 - rate augmented, design and analysis, 18036
- Digitizers:
- displacement digitizers, USSR study, 1320
 - Handle Cliff radar digital range-measuring instrument, 18114
 - see also* Analog-to-digital converters.
- Dill, Henry W., jr., worldwide use of air-photos in agriculture, 17304
- Diluzio, Frank G., remarks, Oct. 16, 1967, 16719
- Dimethyl sulfoxide, toxicity to fish, 16624
- Dimick, B. M., liquid heaters and vaporizers, classification definitions, 18122
- Dimond, Nancy, Navy Supply Corps newsletter, 3616
- Dinger, Cloyd H., computer programs in oceanography, 14570
- Dingman, Robert J., geology and groundwater resources of northern part of Salar de Atacama, Antofagasta Province, Chile, 11164
- Diodes:
- avalanche-drift diode and its use in microwave engineering, USSR study, 12750
 - computer program searches characteristic data, 2654
 - diode-lens controlled waveguide slot radiators, feasibility study, 9812
 - discriminator threshold attenuation, transistor biased amplifier minimizes, 16883
 - fused diode provides visual indication of fuse condition, 14431
 - heterodyne operation of avalanche photodiodes, 18023
 - millimeter wave, for efficient harmonic power generation, 11483
 - minority carrier storage, used by laboratory pulse modulator, 14428
 - Monte Carlo code for solution of planar electron-diode problems including electron-neutral elastic collisions, 15558
 - reliability prediction technique, 6720
 - SiC/Si diode trigger circuit provides automatic range switching for log amplifier, 17957

Diodes—Continued

- tunnel diode low-level detection, 11493
- see also Thermionic diodes.
- Dioximes, see Oximes.
- Diplomacy, educational and cultural, 7150
- Diplomatic and consular service, see Diplomatic couriers.
- Diplomatic couriers, visas, agreement with Rumania, amending agreement, 15789
- Diplomatic list, 3208
- Diplomatic relations, see International relations.
- Diplomats:
 - diplomatic relations act of 1967, complement Vienna convention, hearing, 10831
 - Vienna convention on diplomatic relations act of 1967, report, 12387
- Dipole moments:
 - electric, for molecules in gas phase, selected values, 17035
 - plasma acceleration, based on dipole moment approximation, 5256
- Diptera, see Flies—Mosquitoes.
- Direct current, see Electric currents.
- Directional stability, see Stability of aircraft.
- Directories:
 - Aerospace Research Office key staff offices and laboratories, 7334
 - airport, airman's information manual, 93, 3021, 10977
 - architectural, engineering, and consulting firms with certified fallout shelter analysts, 13424
 - Atomic Energy Commission, specialized information and data centers, 1814
 - Bulgarian officials, 4934
 - CAP [Community action programs] grantees, 982, 7873, 10906
 - commercial seed dealers in seed and planting stock for trees and shrubs, 8125
 - community wage surveys, 6615
 - Congress of United States—
 - 90th Cong., 1st sess., 7586
 - pictorial, 90th Congress, 5969
 - credit information on foreign firms, sources, 15340
 - DSA field establishment, 6144, 13909
 - Economic Development Administration, approved projects, 13931
 - education, 1966-67—
 - higher education, 16498
 - public school systems, 10930
 - State governments, 15211
 - employment assistance for the handicapped, Federal and State programs, 15664
 - employment security offices, local, 13970
 - Federal statistical, 13353
 - Federal statistics, local areas, guide to sources, 1879
 - foreign consular offices in United States, 10097
 - Fortune, 500 largest U.S. industrial corporations, 1954-65, concentration and divisional reporting, etc., hearings, 12415
 - Government periodicals and subscription publications, 3568
 - governmental resources, foreign affairs research, 17221
 - graduates from predominantly Negro colleges, 2483
 - guidance, counseling, and testing personnel in State Department of Education, 6178
 - Health, Education, and Welfare Department field directory, 12619
 - health units, local, 1569
 - higher education consortiums, guide, 7898
 - Indian Affairs Bureau, 3210
 - industry wage and union scale studies, 5072
 - information resources in U.S. Federal Government, 15458
 - Interagency Boards of U.S. Civil Service Examiners, 14860
 - international mail, 10027
 - changes, 3211

Directories—Continued

- labor unions, national and international in U.S. changes, 2498
 - mental health, 2828
 - military assistance program addresses, MILSTRIP, 9379, 10900, 12445, 13926
 - National and Regional Export Expansion Councils, 16099
 - National Institutes of Health, scientific personnel, 8643
 - errata, 13090
 - Naval Weapons Bureau, 3066
 - Navy prime contractors, selling to, 17100
 - Negro colleges and universities, 9679
 - Neighborhood Youth Corps project sponsors, 2486
 - Peace Corps program, 7037
 - plastics, knowledgeable Government personnel, 2157
 - poison control centers, 17139
 - post offices, 17115
 - post offices, 1967 national ZIP code directory, 14609
 - President's Committee on Employment of Handicapped, membership directory, 2491
 - providers of services under health insurance for the aged—
 - extended care facilities, 15738
 - home health agencies, 11793
 - hospitals, 11794
 - Public Health Service, public advisory groups, 8650
 - public training schools serving delinquent children, 4364
 - recreation areas, Federal, requiring entrance and user charges, 13041
 - refrigerated warehouses in United States, 5559
 - Securities and Exchange Commission companies filing annual reports, 13112
 - smoking and health, on-going research, 11743
 - standardization activities, organizations in U.S., 15589
 - standardization, Federal supply classification, class and area assignments, 16474
 - standardization SD series, 16474
 - State and territorial health authorities, 15680
 - State departments of agriculture, 7836
 - State divisions of vocational rehabilitation and agencies for the blind, 7220
 - superintendents of large public school systems, 6197
 - Surplus Property Utilization Office, HEW regional representatives, 8188
 - telephone—
 - Agriculture Department, 17337
 - Atomic Energy Commission, 14810
 - Commerce Department, 16110
 - defense mobilization organization, 4460
 - House of Representatives, 7592
 - Interior Department, 17850
 - NASA headquarters, 16926
 - Senate, 760, 10689
 - State Department, International Development Agency, Arms Control and Disarmament Agency, 15764
 - U.S. Government inspection services and testing laboratories, 14048
 - urban planning assistance program, projects, 12624
 - urban renewal, 4008, 15725
 - urban research study centers, 14919
 - urbanized area transportation planning programs, 17175
 - wage chronologies, 11331
 - water pollution control, 17767
- Directors:**
- Project Head Start, guide for directors and health personnel, 12450
 - State civil defense directors, list, 14844
 - State surplus property, directory, 8188

- Dirks, Harlan J., financing livestock exports. 14076
- Dirksen, Everett M., Republican report, 89th Congress, 2d session, supplement. 4572
- Disability, *see* Civil service pensions.
- Disability insurance:
- benefit awards, 1959-62, men under age 65, data. 7079
 - rights and responsibilities of recipients of social security disability insurance. 11800
 - social security disability benefits, find out if you are eligible. 2864
 - social security program, what professional people who work with the disabled should know. 2862
 - social security rulings. 2872, 3881
 - see also* Old-age, survivors, and disability insurance.
- Disabled:
- Federal employees, payment of dual benefits for same disability, procedures for preventing, GAO review. 12592
 - health insurance, provide, hearings. 7763, 10684
 - help through vocational rehabilitation. 17182
 - interviewing guides. 10944
 - multiple handicapped, available Federal services (remarks). 18142
 - neurological and sensory impairments, estimated range and cost of disability. 11745
 - public assistance, money payments to recipients. 4751
 - social security disability applicant statistics. 5691
 - workers—
 - medical care utilization, data. 17202
 - occupational characteristics by disabling condition. 7079
 - see also* Disability insurance—Pensions—Rehabilitation of the disabled—Veterans.
- Disabled American Veterans:
- audit of accounts by GAO, report. 6005
 - legislative program, hearings. 9172
 - report, 1966 convention. 4478
- Disadvantaged children, *see* Children.
- Disadvantaged youth, *see* Youth.
- Disarmament:
- arms control and disarmament—
 - bibliography (periodical). 3041
 - research and studies by Government agencies, report. 4191
 - research studies in progress or recently completed. 5581, 13143
 - Soviet press materials, translations. 5884
 - arms control and limited war, design study. 15924
 - documents. 1748, 15925
 - United States armament and disarmament problems, hearings. 10836
- Disasters:
- aircraft emergency procedures over water. 3016
 - central sterile supply section of packaged disaster hospital organization. 1577
 - Civil Defense Office labor courses references. 14545
 - community involvement in civil defense, suggestions by American National Red Cross. 16051
 - disaster control and civil defense in Federal buildings, chance. 14818
 - economic injury loans, management and technical aid for displaced small business. 14643
 - educational assistance in major disaster areas—
 - hearings. 7742, 9173, 12419, 17064
 - see also* 9118, 10357
 - emergency broadcast system, basic plan. 14016
- Disasters—Continued
- emergency escape system uses self-braking mechanism on fixed cable. 5223
 - emergency operations, programmed orientation to civil defense. 13431
 - emergency rescue, survival, Air Force manual. 10209
 - Federal assistance operations, guide. 7919
 - Federal disaster act, activities, report. 7603
 - groups in disaster (paper). 10049
 - if disaster strikes and there is no doctor, medical self-help training, course, announcements. 11738, 13077
 - major, additional assistance to areas suffering, law. 473
 - major, forest and grass fires control, air operation facilities needed, OEP report. 10702
 - print as Senate document, report. 10753
 - major, income tax treatment of casualty losses, report. 7694
 - national emergency standby regulations and instructions, FPM supplement. 3306
 - national, role of licensed practical nurse. 11733
 - natural—
 - activities, emergency employment of Army resources. 17735
 - preparedness, civil defense program materials. 16052
 - what Department of Agriculture can do. 10189
 - Northeast power failure, Nov. 9-10, 1965, hearings, addendum. 2053
 - packaged disaster hospitals materials, catalog and guide for distribution. 13081
 - preparing hospital plant for emergencies. 15688
 - relief funds, appropriations, 1968, reports. 10600, 15131
 - space flight emergencies, survey. 9171
 - see also* Relief work.
- Disbursements, House of Representatives, detailed statement. 7748, 15036
- Discharge, adverse action, law and regulations, FPM manual supplement. 3300
- Discharges (electric), *see* Electric discharges.
- Disciplinary barracks, confinement of military prisoners, field manual. 4207
- Discipline:
- correction series. 13180-182
 - corrections, task force report, President's Commission on Law Enforcement and Administration of Justice. 10031
- Discount companies, food retailing by discount houses. 5632
- Discounts, mortgage, report by HUD. 6091
- Discoverer (ocean survey ship):
- use for ocean environmental research, general information. 9434
- Discoveries (archeological), *see* Archeology.
- Discrimination, *see* Race problems.
- Discrimination in employment:
- age discrimination, prohibit, message from the President. 12198
 - Arkansas State Advisory Committee report to Civil Rights Commission. 13434
 - District of Columbia government employees, prohibit discrimination in hiring, report. 13824
 - equal employment opportunity—
 - Federal employment, pamphlet. 1927
 - Federal service (remarks). 14610
 - federally assisted agricultural programs in Georgia. 16061
 - plans for progress program. 11298
 - Reclamation Bureau, affirmative program of manpower utilization. 18104
 - road to progress (address). 5033
 - legal interpretations, Equal Employment Opportunity Commission. 12460
 - Negro civil status gains should be accompanied by economic status gains (address). 15598

- Discrimination in employment—Continued progress toward goal of equal employment opportunities (address), 17109
promote equal employment opportunity, hearings, 13877
quests for economic stability and equal employment opportunity (remarks), 1065
seven steps to equal employment opportunity, guide, 4750
sex discrimination, laws, 17295
State laws, summary—
because of age, 5050
fair employment practice act, 5049
textiles getting new look under civil rights act of 1964, 13994
Yuma, Ariz., economic data for equal employment opportunity program, 11771
Discriminators, digital system provides superregulation of monosecond amplifier-discriminator circuit, 5147
see also Frequency discriminators.
Discussion guide, tape-recorded Department of State briefings, 18227
Disease Prevention and Environmental Control Bureau, health protection, target, 11734, 17150
Diseases:
chronic, comprehensive core services in your community, 5426
chronic conditions, interview data compared with information derived from Medical records, 11762
chronic, detection and prevention utilizing multiphasic health screening techniques—
hearings, 2103
print additional copies, report, 2031
report, 2104
chronic illness among residents of nursing and personal care homes, 11764
ear, nose, and throat disease incidence in 400 space and test pilot candidates, 14781
health protection, target of Bureau of Disease Prevention and Environmental Control, 11734
insect-borne, prevention and control, 11730
organism reactivity to disease development, USSR book excerpts, 16741
prevalence of chronic conditions and impairments among residents of nursing and personal care homes, May-June 1964, U.S. statistics, 14639
publications, price list, 2801
vibration, prophylaxis, USSR study, 11265
see also Contagion and contagious diseases—Diseases of animals—Nosology—Occupational diseases—*also* names or classes of diseases.
Diseases of animals:
animal morbidity report—
calendar year, 13195
fiscal year, 1671
monthly, 3029
see also names of diseases, or animals affected.
Diseases of fish, fish disease leaflet FDL (series), 4802
see also names of diseases or fish affected.
Diseases of insects, *see* names of insects.
Diseases of plants:
calendar of activities from home arborist, pest control, etc., 5676
control in home vegetable garden, 10171
intercepted plant pests, lists, 7250
plant disease reporter, 3688
see also names of diseases or plants affected.
Disinfection and disinfectants, classification definitions, 18119
Disinfestation, fruit and vegetables by gamma irradiation, 5794
Disks, sensing, for slug-type calorimeters, invention for higher temperature stability, 11482
Dislocation of crystals, *see* Crystallography.
Disney, Walt, medal, issuance, report, 16360
Disorientation:
pilots, fatal effects under either IFR or VFR, 5801
vestibular, adaptation to—
eye-movements and subjective turning responses to 2 durations of angular acceleration, 15980
nystagmic eye movements with opposing stimuli, 7447
responses to angular acceleration and to bilateral caloric stimulation following unilateral caloric habituation, 10322
visual fixation on nystagmus and sensations of turning, 15981
Dispersion:
aerial dispersal of pink bollworm in U.S. and Mexico, 5678
alloys, selected submicron powder blending methods, comparison, 6850
devices, gas motivated solids, design, 6687
fog dissipation experiments using propane, Walla Walla, Wash., 11984
oxide dispersion strengthened alloys, 17951
Displacement:
chemical, of protons in double-bond, rule for estimating, 12727
gage, for crack extension measurements, design and use, 1513
plane-stress analysis of edge-stiffened rectangular plate, subjected to boundary displacements, etc., 16895
radial, cylinders, thin walled, 17947
residual strains and displacements within plastic zone ahead of a crack, 5489
stresses and displacements surrounding open pit in gravity-loaded rock, 14356
Display of merchandise:
Budapest International Fair, 12687
carnation blooms, quality after controlled storage, 15863
sample display service, new way to find agents and distributors overseas, 4923, 14207
Display systems:
alphanumeric map information assembly and display system for large computer, 14142
cross-pointer-type instrument display in landing with helicopter, 1488
CRT, computer program samples digital data for display, 14440
integrated display and control systems, simulator evaluations, 14374
moving-map instrument display in landing approaches with helicopter, evaluation, 11531
NRL satellite position display, simplified prediction equations, 5349
peripheral vision displays, 12865
pictorial navigation display in instrument departures of supersonic transport, simulator study, 12944
random-scan display of predicted satellite positions, 9994
rectilinear display gives acceleration load factor and velocity information, 14439
satellite position display, computer program, 8593
satellite, use of NTDS, 14593
SPAD formatter, buffer interface between satellite prediction computer and display, 8593
stereoscopic, application to analog computer simulation, 6757
symbol legibility studies, 63-64

Display systems. Continued
 use of displacement, flash, and depth of
 dash coded displays for providing con-
 trol system information, 8354
 video, new electron microscope employs
 new technique, 10884
 Disposal of refuse, see Refuse
 Dissent and democracy, 12534
 Dissociation (academy):
 defended by scientific co workers, Acad-
 emy of Sciences, Kazakh SSR, 1151
 11240
 Ploniatan Institutes 1965, mechanics, de-
 fended, 1302
 Dissociation:
 coupled vibration and dissociation relaxa-
 tion behind strong shock waves in car-
 bon dioxide, 6008
 equilibrium dissociating air stagnation
 point boundary layer with suction and
 injection, 8400
 measured rate constants and their effects
 on coupled vibrational dissociational
 flows of oxygen over wedge, interpre-
 tations, 12043
 oxyhemoglobin, effect of nitrogen dioxide
 nitrogen tetroxide, 13270
 see also Electrolytic dissociation
 Distances between U S ports, 14463
 Distillation:
 desalination equipment in city of Shey-
 chenka diagram, equipment design, etc
 USSR, 11270
 facilities salt water, federally owned, sale
 to government of Virgin Islands Virgin
 Islands Corporation, Interior Dept
 General Services Administration, GAO
 review, 8440
 low temperature bituminous coal tar, den-
 sification of distillable paraffins, etc.,
 12793
 thermal sea water, fundamentals of the
 city of marine evaporators, 17300
 vapor gap osmotic distillation process,
 2304
 Distortion
 equilibrium judgments in vicinity of bi-
 molecular fusion, 439
 voltage effects of SNAF 8 alternator speed
 controller and alternator performance
 results, 12030
 Distribution (economics):
 dist. distribution, hearings, 6115
 problems affecting small business, hear-
 ings, 1847
 print additional copies, reports, 916
 2030
 see also names of commodities
 Distribution (statistical):
 resource distribution problem in network
 planning algorithm for solution, 17505
 Distribution system, see Military supplies
 Distributors, see Markets and marketing
 Distributors apparatus:
 distribution equipment, Federal Item Item
 Education guides for supply catalogs,
 supplements, 3289
 District Court of United States for D.C., see
 United States District Court for D.C.
 District Courts
 District of Columbia
 laws established by judgment or decree
 rescission by recorder of deeds, re-
 port, 12385
 transfer authority rel to marriage li-
 cense issuance, report, 12584
 jurisdiction to recover fees, etc., for offi-
 cial services over actions, limitation to
 cease, amend Tucker act, report, 1307
 magistrates act, hearings, 12410

District Courts. Continued
 Mississippi, eastern division of northern
 district, terms to be held at Acker-
 man
 law, 18138
 report, 12370
 North Dakota, term of court at Williston,
 N Dak., additional place, report, 12305
 proceedings, affidavits, amend U.S. Code,
 hearings, 2034
 rules of civil procedure, amendments, 2044
 Texas, western district, new Midland
 division, create, report, 10235
 United States, Federal offenders, 1965
 data, 8700
 see also Judges
 District of Columbia:
 act for regulation of practice of dentistry,
 amend to exempt from licensing re-
 quirement thereunder dentists em-
 ployed by District of Columbia -
 law, 17500
 reports, 10530, 10384
 administrative procedures for D.C. gov-
 ernment, prescribe, report, 9130
 APA Speakers Bureau for Washington
 Metropolitan area, availability of speak-
 ers, 5095
 air pollution problems, hearings, 10829,
 10348, 10400
 alcoholic beverage control act, amend -
 hearings, 940, 12204
 reports, 11003, 904, 10238
 alcoholism, control, prevention, and treat-
 ment, hearings, 13702
 appropriations, 1967, law, 436
 appropriations, 1967, supplemental, pro-
 posal, 0065
 appropriations, 1965
 hearings, 1133, 11636
 report, 9120
 area measurement reports, 7437
 area wage survey, 5068
 attachment, exemptions in case of non-
 residents, amend D.C. code, report, 9080
 automobile liability policies, make motor-
 ist coverage required part, report, 13644
 blind persons register, establish, report,
 16352
 Board of Education, administration of non-
 resident tuition act, GAO review, 1870
 Board of Higher Education, create
 law, 493
 report, 603
 Board of Vocational Education, create
 law, 493
 report, 603
 borrowing authority for D.C.
 hearing, 13837
 reports, 13634, 13824
 bridge to East Potomac Park with visitor
 facilities construct, hearing, 130
 budget, 1968
 amendments, 9075
 departmental edition, 4238
 document edition, 4482
 business corporation act, amend report,
 870
 Capitol grounds and contiguous areas
 comprehensive plan for development, re-
 port, 10769
 census of manufactures, 1963, area sta-
 tistics, 1834
 census of mineral industries, 1963, area
 statistics, 3820
 children, public day care services and
 foster home care, provide, report, 10383
 code of laws
 amend, hearings, 2113
 annotated, 1967 edition, 10383
 colleges, public, establish report, 603
 commissioners, authority to lease air space
 above on and below freeway rights-of-
 way hearings, 10407, 17505
 commissioners, hearings, 13022

District of Columbia—Continued
 optometry practice, regulate, hearings, 16319
 parking facilities, establishment, report, 13802
 Pennsylvania Avenue, administration as historic site, report, 9266
 physical abuse of children, etc., mandatory reporting by physicians, etc., law, 479
 pistol registration, require, hearings, 10644
 plant regulatory officials, 5618
 podiatry, regulating practice, amend act, report, 7691
 police and firemen retirement benefits, equalize for totally disabled, report, 9129
 police and firemen's retirement and disability act, amend to make applicable to widows of retired members, report, 10558
 police and firemen's salary act of 1958, amend, law, 514
 police canine corps, expand, report, 9127
 Police Department band, include members of Fire Department, etc., report, 7687
 Police Department, recruitment and retention problems, etc., hearings, 9152
 Police Department reorganization, Congress to review report of D.C. Crime Commission, final report, 6011
 prisoners, work release program, authorize—
 hearing, 727
 law, 507
 public crematorium, establishment, amend act, report, 16379
 public school food services act, amend, reports, 2087, 16381
 public schools, custodial and engineering staffing, guidelines needed, GAO report, 12587
 publications, list, 2802
 rental property used for residential purposes, require publication of owner's names, hearings, 2113
 report of 1965-66 compensatory education programs under title 1, Public law 10 7890
 representation in Congress, amend U.S. Constitution, hearings, 15044
 revenues, providing additional, report, 672
 sales tax, amend, report, 9087
 school board, election—
 hearings, 15022
 message from the President, 16156
 report, 14949
 school census, amend act, report, 16378
 schoolchildren, transportation at reduced fare, increase age, report, 16380
 Shrine convention, 1967, promulgate regulations, report, 2088
 square 732, authorization for use as recreation area, law, 412
 statute of limitations, amend relative to civil actions arising from unsafe property improvements—
 hearing, 17506
 report, 16295
 teachers leave act of 1949, amend relative to sick leave, report, 14991
 teachers retirement act, amend, report, 14992
 teachers' salary act of 1955, amend, law, 514
 telephone calls, obscene or harassing, criminal penalties for—
 hearing, 10826
 reports 4582, 9128, 9294
 traffic act, amend to require report of motor vehicle collisions to police, report, 7689
 traffic act of 1925, as amended, amend, reports, 12381, 12383, 17623

District of Columbia—Continued
 transit compact, approval—
 hearing, 2132
 law, 478
 report, 654
 trust funds, legal investments, list, 6157, 15201
 unemployment compensation act, amend to exempt public international organizations, report, 16293
 uniform gifts to minors act, permitting deposit in savings and loan associations, etc., report, 13639
 victimization and attitudes toward law enforcement, field survey, 13058
 voluntary admission of patients to institution providing care, education, and treatment of mentally retarded persons, report, 7703
 war on poverty, examination, hearings, 12420
 Washington Channel waterfront priority holders, amend act, reports, 895, 7700
see also Capital of United States.
 District of Columbia Committee, House:
 calendar, 3473
 committee print, 4529
 hearings, 727, 6033, 9152, 10644-646, 12293-294, 13702-703, 15021-22, 16318-320, 17596-598
 investigations and studies organization, etc., of D.C. Government, authorization, reports, 6017, 7723
 reports, 2026, 4501, 6011, 7646, 7686-89, 7691, 7700-1, 7703, 9086-87, 9127-30, 9182, 10558-559, 13631, 13638-641, 13644-646, 14949, 14991-995, 14999, 16227, 16258, 16260, 16292-296
 District of Columbia Committee, Senate:
 calendar, 3493
 hearings, 949, 2113, 10829, 13857-858, 16405-407
 reports, 879, 882, 893, 895, 2087-88, 2102, 15101, 12380-385, 13802, 13824, 16378-384, 17623
 District of Columbia Court of Appeals, judges, increase number, report, 13638
 District of Columbia Crime Commission, *see* President's Commission on Crime in District of Columbia.
 Dittman, Laura, children in day care, with focus on health, 7513
 Dittmer, Karl, driver, automotive magazine of Air Force, 11949
 Diuresis, *see* Urine.
 Divers:
 USSR manual for rescue divers, 6503
 visual resolution underwater, 14317
 Dividends, *see* Corporations—Life insurance.
 Dividers, *see* Voltage dividers.
 Diving:
 Project Sealab, 45-day undersea saturation dive, report, 11669
 scuba, biologic and physical aspects, 11953
 scuba diving and underwater sports, USSR study, 6490
 scuba diving in USSR, 15420
 Diving medicine, *see* Medicine.
 Division of Hospitals, PHS, annual statistical summary, diagnostic and demographic data, 8629
 Division of International Affairs, HUD, available publications on housing, building and planning, 8205
 Divorce:
 statistics analysis, 17172
 vital statistics of U.S., 10070
 Dixon, Grayson V., automatically controlled air spring suspension system for vibration testing, 9881
 Dixon, Sidney C., comparison of panel flutter results from approximate aerodynamic theory with results from exact inviscid theory and experiment, 1480
 Dixon Entrance to Cape Spencer, coast pilot, supplement, 7554

- Dizziness and vertigo in aviators, 17359
 DMS, *see* Defense Materials System.
 DMSO, *see* Dimethyl sulfoxide.
 DNA, *see* Desoxyribonucleic acid.
 Do you know your economic ABC's? (series), 13454
 Do you measure up to Air Force ROTC? 15885
 Dobrowolski, Andrzej, analysis of nonconstant area combustion and mixing in ramjet and rocket-ramjet hybrid engines, 1478
 Docking (spacecraft), *see* Spacecraft.
 Docks:
 boat landing, building plan, 39
 data, Port of New York, N.Y. and N.J., 4736
 floating, Federal item identification guides for supply cataloging, supplements, 3293
 Port of New York, N.Y. and N.J., facilities maps, 9421
 Dockter, Leroy, pulverizing lignite in ball mill, 15476
 Doctors, *see* Physicians.
 Doctors' degrees, *see* Degrees (colleges, universities, etc.).
 Doctrine for riverine operations, Marine Corps, 8331
 Documentation:
 dissemination of scientific information and documentation in Rumania described, 14222
 message retrieval systems, manual and automatic, laboratory evaluation, 4166
 Documents, *see* Congressional documents—Government publications—Records—*also* subject of documents.
 Documents Office, *see* Public Documents Division.
 Dod, Karl C., Engineers Corps technical services, war against Japan, 5096
 DOD, *see* Defense Department.
 DOD pamphlets, 7374-75, 8873-74, 10247-250, 11974-980, 13279-287, 15905-923, 17367-370
 Dodd, Thomas J.:
 investigation—
 hearings, 9331
 report, 9296
 Doder, Duske, relief, 351
 Dodge, F. C. W., mineral resources of Desolation primitive area of Sierra Nevada, Calif., 11169
 Dodge, J. Robert, housing in Ethiopia, 6417
 Dodge, R. N., fore-and-aft stiffness characteristics of pneumatic tires, 16919
 Doerr, Robert M., reaction of tungsten-cobalt alloys with oxygen at 1,000° and 1,100°K, 14352
 Dogs:
 acute hypoxia, regional lactic acid concentration, 1739
 anesthetized—
 and unanesthetized, heart rate response to noise and near-vacuum decompression, 4180
 cardiovascular responses during repeated decompressions to near-vacuum, 78
 effect of hydrazine on liver glycogen, arterial glucose, lactate, pyruvate and acid-base balance, 7359
 breathing 1 and 3 atmospheres of oxygen, effect on tissue oxygenation during hemorrhage, 15895
 central nervous system, rapid decompression to 1 mm. Hg, residual pathologic changes, 1743
 conditional reflex activities of dogs poisoned with sarin and soman and then treated with remikol-5, Bulgarian study, 6563
 District of Columbia canine corps, expand, report, 9127
 plasma, effect of oxygen, 5712
 Dogs—Continued
 transmitter of hemophilic blood, anticoagulant effect, clotting prolonged, 10244
 Doing business with Federal Government, 1104
 Dole Company, President's E award for export excellence (remarks), 7295
 Dolichopodidae, *see* Flies.
 Dollars for medical research, 1947-66, sources and performers, 10062
 Dolph, R. E., insect outbreaks in Oregon and Washington, 17797
 Dolphins, non-Soviet research, USSR review, 2463
 Domain structure, magnetic domain switching, simplified technique demonstrates, 17964
 Dominguez, Ramiro de la Riva, relief, 15070, 16224, 17526
 Dominica, *see* Windward Islands.
 Dominican Republic:
 Army area handbook, 11990
 background notes, 13133
 capsule facts for Armed Forces, 15905
 foreign trade regulations, 4442
 special study mission, report, 10568
 weather stations, cooperative meteorological program, continuation, agreement, 8731
 Dominick, Allen E., conveying mineral interests to, 334
 Don Juan, Max Frisch's play, Moscow production criticized, 6541
 Donahue, Thomas R., nomination, hearing, 7823
 Donald W. Douglas Laboratories, dedication (remarks), 7438
 Donaldson, Erle C., modifications of pendant drop interfacial tensiometer, 6640
 Donnelly, Warren H., science, technology, and public policy during 89th Congress, 13716
 Don't guess! Ask your security supervisor, poster, 13927
 Door latches, *see* Latches.
 Doors:
 combination double door high-vacuum valve provides access to vacuum chamber, 9825G
 controls for automotive vehicles, Federal standard, 6326
 heavy hinged, simple motor drive system operates, 8404
 steel doors and frames, standard stock light-duty 1½- and 1¼-inch thick flush-type interior, standard of trade, 11587
 Dope (coating materials):
 semiconductor devices, fabrication by neutron transmutation, 12010
 Doppler coefficients, *see* Coefficients.
 Doppler effects:
 ambiguity function independent of assumptions about bandwidth and carrier frequency, 8598
 laser Doppler flowmeter measures gas velocity, 6847
 Doppler method in navigational use of artificial earth satellites, USSR, 11280
 Doppler radar:
 automatic frequency control systems responding to Doppler frequency shift, synthesis, USSR study, 16742
 probing balloon motion, 16532
 Dorman, Keith W., forest tree improvement research in South and Southeast, 9542
 Dorn, Georgette M., Latin America, annotated bibliography of paperback books, 12779
 Dosh, R. N. Bert, Lock, *see* R. N. Bert Dosh Lock.
 Dosimeters:
 calibration and use, USSR studies, 6563
 high intensity radiation dosimetry measured with SEMIRAD, 4219A
 thermoluminescent systems compared with film badges, 8599

INDEX 1967

- Dosimetry:**
 energy dependence of free radical production in alanine, 1744
 gamma irradiation dosages for disinfection of fruit and vegetables, 5794
 high intensity radiation, measured with SEMIRAD (secondary-electron mixed-radiation dosimeters), 4219A
 luminescence dosimetry, international conference on, proceedings, 10297
 thermoluminescent, observations (paper), 17392
- Doten, George W.**, use of teams in image interpretation, information exchange, confidence, and resolving disagreements, 5752
- Dough, frozen**, market potentials, 7277
- Dougherty, H. T.**, vector diffraction theory, pt. 1, vector integral equation, 7935
- Dougherty, Jack B.**, steps to effective sanitation in smoked-fish plants, 9514
- Douglas, Charlotte A.**, infant and perinatal mortality in Scotland, 5466
- Douglas, Geneva S.**, radioassay procedures for environment samples, 11725
- Douglas fir**, *see* Fir.
- Douglass, Bernard S.**, development of plantation of high quality true fir Christmas trees, 2292
- Douglass, Frederick**, 25-cent regular postage stamp (poster), 5387
- Douglass, Raymond C.**, Permian tethyan fusuloids from California, 16699
- Doumani, George A.**, Antarctic bibliography, 6621
- Doves**, *see* Mourning doves—Pigeons.
- Dow, Donaldson A.**, test of large-diameter ring-stiffened cylinder subjected to hydrostatic pressure, 1479
- Downdraft (periodical)**, 12634
- Downs, Eldon W.**, Air University review, 3015
- Downwash (aircraft):**
 wake momentum surveys of turbulent boundary-layer skin friction on 5 swept wings, measurement, 2725
- Dowtherm A** heat transfer tests, final report, 5762
- Dowtherm A Rankine cycle technology**, final report, 5761
- Doyle, D. V.**, properties of southern pine in relation to strength grading of dimension lumber, 2327
- Draft (military)**, *see* Conscription.
- Drafting, technician**, examination announcement, 1910
- Drafting instruments**, modifying, to minimize smearing concept, 15547
- Draftsmen:**
 engineering draftsman, examination announcement, 13445
 illustrator draftsman—
 1 & C. Navy training course, 11656
 3 & 2. Navy training course, 13026
 office draftsman, examination announcement, 13445
 pay, national survey, 2507
- Drag (aerodynamics):**
 aerodynamic investigation of high-drag entry shapes at Mach 15.4, 16986
 atmospheric probe stability and drag characteristics, 9894
 coefficients and local flow of family of blunt bodies, 18056
 coefficients of microscopic spheres in free-molecule flow, 11407
 high-drag bodies, longitudinal aerodynamic characteristics, 9892
 hypersonic viscous drag on cones in rarefied flow, 12949
 measurements, in stream with sinusoidally fluctuating velocity in longitudinal direction, 5740
 viscous effect on performance of coaxial plasma gun, calculation, 5267
- Drag (hydrodynamics):**
 injection of drag-reducing fluid into turbulent pipe flow of Newtonian fluid, 14398
 reduction by dilute polymer solutions in turbulent flow, 14592
- Draggin' Lady (vessel):**
 documentation with coastwise privileges, report, 10762
- Dragheads (dredges)**, *see* Dredges.
- Dragovich, Alexander:**
 Gymnodinium breve on west coast of Florida, 8039
 oceanographic atlas for Tampa Bay, Fla. and adjacent waters of Gulf of Mexico, 12545
- Drainage:**
 areas other than airfields, emergency construction, Army technical manual, 111 publications, price list, 8623
 structures for airfields and heliports, emergency construction, 110
 surface, design for airfields and heliports, arctic and subarctic emergency construction, 7395
 surface facilities for airfields and heliports, emergency construction, 4214
 wetland road crossings, problems, 14097
see also Mine drainage.
- Drake, Avery A., Jr.**, Martinsburg formation, middle and upper Ordovician in Delaware Valley, Pa.—N.J., 6395
- Drama:**
 and works prepared for oral delivery, catalog of copyright entries, 969, 13904, 17683
 Moscow production of Max Frisch's *Don Juan* criticized, 6541
 voice of the silent stage, 4723
- Drawings:**
 manufacturers part and drawing numbering systems—
 Defense Department, 2146, 7847
 change, 10886
 micrometer U-tube manometers, 17040
 naval design manual, 17063
 changes, 2764
 scientific and technical, catalog of copyright entries, 968, 2141, 6137, 17682
- Dredges, hopper dredge dragheads, model study**, hydraulic model investigation, 6211
- Dredging:**
 coding and keypunching geological information form for core grab, and dredge samples, instructions, manual, 6997
 Engineers Corps policies and procedures relating to cost estimates, bids, and contract awards, GAO review, 14154
 hopper dredge dragheads, model study, hydraulic model investigation, 6211
 plain and rifled discharge pipe, comparison tests, 7930
- Drennan, Henry T.**, library manpower, occupational characteristics of public and school librarians, 4713
- Dresses:**
 changing hem, 7283
 women's and misses, industry wage survey, 6613
- Drewes, Harald**, geology of Connors Pass quadrangle, Schell Creek range, east-central Nevada, 16694
- Dried foods**, *see* names or classes of foods dried.
- Dried milk**, *see* Milk.
- Drill (military)**, *see* Military drill.
- Drill cores, diamond**, gold distribution from Homestake Mine, Lead, S. Dak., 6679
- Drill press**, safe practices, 9726
- Drilling, gas-petroleum in sea regions, USSR study**, 9640
see also Core drilling—Diamond drilling.

Drills (tools):
hole saw attachment has zero force reaction, 6767

Drinking water, *see* Water.

Driscoll, Norman R., effects of simple stability augmentation system on performance of non-instrument-qualified light-aircraft pilots during instrument flight, 11519

Driscoll, Timothy J., jr., thermoelectric properties of yttrium-group 5 and 6 binary and ternary compounds, 16867.

Drive (electromechanical):
low speed, long term tracking electric drive system has zero backlash, 14426
motion drive system is accurately controlled in 1-micron range, 9825F

Drive (power transmission), *see* Power transmission.

Drivers, *see* Automobile drivers—Motor vehicle operators—Motortruck drivers.

Drobot, Jan, relief, 597, 13610, 17501

Dropouts, *see* School attendance.

Drops:
improved method of determining spread factor of water droplets for pesticide spray coverage, 10149
mercury droplet parameters including effects of gravity, photographic study, 1509
see also Clouds.

Drosophila, *see* Flies.

Drowning, drowproofing can save your life, 1718

DRS, *see* Research Services Division, NIH.

Drug Abuse Control Bureau:
criminal investigator, career opportunities, 11095
fact sheets, 12553-560, 14072-73
review of activities, etc., 15270

Drug addiction, *see* Narcotic habit.

Drugs:
abuse and use, medicated man (address), 14075
animal drug amendments of 1967, hearing, 17605
antipsychotic, antianxiety, and antidepressant drugs, uses in psychiatry, etc., 2962
code of Federal regulations, 6276-79
companies, invasions of privacy, hearings, 4648
companies, physician ownership, hearings, print additional copies, reports, 916, 2030
controlled drugs, fact sheet, 12559
Coronary Drug project, 15678
coverage of expenses under medical insurance benefits, Senate amendments, summary, 4567
Czechoslovak Ministry of Health directives on control of pharmaceuticals, 12685
drug abuse control, 1965 amendments, fact sheet, 12553
drug abuse, outline of information, 12564
drug abuser, fact sheet, 12555
drug industry, small business problems, hearings, 12317
drugs of abuse, identification, reaction, etc., 15271
drugs vs. cancer, 15708
food, drug, and cosmetic act—
amend, hearing, 17605
amended, text, 1083
enforcement and compliance, FDA report, monthly, 3268
notices of judgment, 3643
requirements guide for foreign manufacturers, etc., 17790
illegal traffic in dangerous drugs, fact sheet, 12554
import detentions, report, 3820
mailing of unsolicited sample drug products, etc., prohibit, hearing, 10668
medical restraint of trade act, hearings, 17661

Drugs—Continued
pharmaceutical development in USSR, Bulgaria, and Rumania, 15391
pharmaceutical industry competition, problems, present status, hearings, 16436, 17677
pharmaceutical preparations, except biologicals, current industrial reports, 8943, 16001
pharmaceutical preparations which may be dispensed by pharmacies without physician's prescription, Czechoslovakian list, 12673
pharmaceutical products manufacturing machinery, industrial plant equipment handbook, 7851

prescribed—
and nonprescribed medicines, 1964-65, type and use in U.S., 18188
old-age assistance recipients in Cleveland, Ohio, area, inquiry into alleged practices, GAO report, 8150
welfare recipients in California, controlling payment, GAO report, 2354
prescription programs, digest, 8628
psychopharmacologic and psychotomimetic recent research in Czechoslovakia, 16774
purchase, pricing methods used by various States of prescribed drugs under GAO review, federally aided public assistance programs, Welfare Administration, 9556
research directions in fields of drug conditioning, 1222
Russian index, 8534A
B legend, FDA manual for pharmacists, 6360
safety, etc., FDA's life protection series, 12562
safety, hearings, 2047
print additional copies, report, 644
use medicated feeds carefully and wisely, potentially harmful to humans (poster), 16639
see also Narcotics—also names of drugs.

Drums (containers):
steel shipping, current industrial reports, 3169

Drunkenness:
control in District of Columbia, hearings, 13702
offenses, etc., annotations, consultants' papers and related materials, task force report, President's Commission on Law Enforcement and Administration of Justice, 13066

Dry cleaners and dyers, dry cleaning establishments under Fair labor standards act, as amended, 1664

Dry cleaning:
business, starting and managing, 5497
service, industry wage survey, 14298
dry farming, upper Snake River area, moisture conservation for wheat production, 4088
errata, 11923

Dry Mountain quadrangle, Mont., igneous geology, 2358

Dry-packed beds for removal of strong-acid gases from recycled atmospheres, 5350

Drying:
equipment, Federal item identification guides for supply cataloging, supplements, 3288
making basements dry, general information, 1698
trays, malathion-treated, use to protect raisins from insects during drying and storage, 15859
see also names of substances dried.

DSA, *see* Defense Supply Agency.

DuBridge, R.A., reactor control systems based on counting and Campbell techniques, 7422

Dubuque, Iowa, population, special census, 8952

INDEX 1967

- Dubuque County, Iowa, geology, Pitosi quadrangle, 6388
- Ducassi, Enrique R., relief, 536
- Duck stamp data, information for collectors, 11075
- Ducks, sea, hunting, possession, transportation, importation in Alaska 1967-68, Federal regulations governing, 14061
see also Mallards.
- Duckworth, Nancy, what label means on luncheon meats you buy, 966
- Duckworth, W. Donald:
neotropical microlepidoptera—
genus *Lethata*, 8549
genus *Loxotoma*, 6969
genus *Thioscellis*, 14543
systematic position of 2 taxa erroneously placed, etc., 5304
- Ducted fans, V/STOL model with 4 tilting ducted fans arranged in dual tandem configuration longitudinal aerodynamic characteristics in ground effect, 18045
- Ductile mandrel and parting compound facilitate tube drawing, 5156
- Ductility:
electrolytic process for producing ductile vanadium, 12825
improved, for high strength tungsten alloy, 16969
- Ducts, liquid oxygen ducting cleaned by falling film, method, 16947
- Duda, John R., predicted oil recovery by waterflood and gas drive, Bradford Third and Sartwell sands, Sartwell oilfield, McKean County, Pa., 11373
- Dudley, Richard F., applicator for precision placement of chemicals in soil, 1673
- Duff, John E., probe for accurate determination of moisture content of wood products in use, 2298
- Duffy, Leonard G., relief, 320
- Dugan, John V., Jr., volume ion production costs in tenuous plasmas, 15577
- Duggan, R. E.:
pesticide analytical manual, 16640
pesticides, report on residues in food, 15274
- Dugout Project, *see* Project Dugout (Flow-share program).
- Duk Hee Lee, *see* Lee Duk Hee.
- Duk Hwa Hwang, *see* Hwang Duk Hwa.
- Duke, Noriko S., relief, 9247
- Dumas y Alcocer, Julio F., and wife, relief, 9245
- Dummies, electronic, for acoustical testing, 16946
- Dumois, Juan A., relief, 295, 588
- Dunavant, James C., effect of roughness on heat transfer to hemisphere cylinders, 8492
- Dunes:
Florida sandhills, loss of topsoil slows slash pine seedling growth, 14119
stabilization with vegetation on Outer Banks, N.C., 16523
- Dunham, Denis F., trial use of foam spray-dried whole milk in selected types of institutions, 13946
- Dunham, Ralph E., teaching faculty in universities and 4-year colleges, 1963 spring, 9413
- Dunlop, Donald V., climates of States, New Jersey, 9426
- Dunn, S. T., thermal radiation property measurement techniques, 9945
- Dunnigan, Keith D., education and training laws, 6122
- Duplicating machines, *see* Copying processes.
- Dupree, Harry K.:
response of channel catfish fingerlings to different levels of nutrients, 8042
vitamins essential for growth of channel catfish, 8042
- Dürer and his time, 10079
- Durfee, Robert L., boiling heat transfer with electrical field (EHD), 13334
- Durling, Richard J., catalogue of 16th century printed books in National Library of Medicine, 15598
- Dust, machine for application of dust to cut seed potatoes, 7241
- Dusting apparatus, dusts, general information, 1691
- Dusts and dusting, inert dusts, evaluation as protectant against insect attack on wheat in small bins, 8835
- Dutch elm disease, death of a giant, Dutch elm disease still takes its toll, picture story, 15872
- Dutcher, L. C., surface water and related climate features of Sâbil Sâsah area, Tunisia, 11189
- Duties, *see* Tariff.—*also* names or classes of articles imported.
- Dutton, James J., power reactor technology, quarterly technical progress review, 3697
- Duvall, Vinson L., fertilization uneconomic for forage improvement in Louisiana pine plantations, 14117
- Duvall, Wilbur L., nonuniform radial loads applied to boundary of circular hole in infinite plate, 17914
- Dwarfmistletoe, *see* Mistletoe.
- Dwellings, *see* Housing.
- Dwight, Ill., motor carrier accident, 16872
- Dyeing machinery, wool dyeing and finishing plants, industry wage survey, 15446
- Dyes and dyeing:
dye binding method for evaluating protein in milk,
dyeing, patent classification definitions, 5369
marking fish, 4812
synthetic dyes, production and sales, 13160
textile dyeing and finishing, winter 1965-66, industry wage survey, 2501
- DYNAGYRO, mechanical stability augmentation for helicopters, 13307
- Dynamic programming, *see* Programming (mathematics).
- Dynamic stability, *see* Stability of aircraft.
- Dynamics:
and origin of ocean waves, USSR study, 12674
characteristics—
electron bombardment, ion thrusters, 8033
square plates by passive analog simulation, 5168
variable-mass slender elastic body under high accelerations, 5188
computer-aided teaching of dynamic system behavior, 62
data characterized by time-varying frequency spectrum, method of analyzing, 16996
deployment dynamics of spinning spacecraft, simulation, 14471
elastic space stations, dynamic response, study, 15523
flight behavior of ballasted sphere at Mach numbers 0.4 to 14.5, 18029
human operator response to step transitions in controlled element dynamics, 5171
interface of cryogenic liquid experiment in orbit, 2605
land landing couch dynamics computer program, 15530
landing loads on vehicle with tricycle landing gear, theoretical analysis, 14472
lateral-directional, of variable-stability transport aircraft, influence of response feedback loops, 11516
model, investigation—
touchdown stability of lunar-landing vehicles, 18042
water pressures and accelerations during landings of Apollo spacecraft, 16970
response of rotor blades of tandem-rotor helicopter, predicting, 13310

Dynamics—Continued

- slush study in near zero gravity, vehicle and spacecraft description, 11530
- space vehicle flight control systems, analysis and design—
 - component dynamics, 12876
 - short period dynamics, 12871
- stability characteristics of Apollo command module, 8500
- stress testing, biomedical monitoring—
 - Black test, 7360
 - instrumentation and normal values, 7343
 - Levy hypoxia test, 7344
 - maximum exercise tolerance, ergometer, 7361
- tilt table orthostatic tolerance test, 7362
- structural, of solid propellant rocket motors, 2611
- supercritical shafts on flexible supports, analysis by using transmission line analogy, 1773
- systems, algebraic methods, 2600
- 2-phase liquid-gas weightless medium with aid of surface effects, control, 11562
- water rejection from hydrogen-oxygen fuel cell to hydrogen stream, 18031
- see also Aerodynamics—Magnetohydrodynamics.
- Dynamics of academic science, etc., 14560
- Dynamometers:
 - calibration of 2 bicycle ergometers used by health examination survey, 7096
 - maximum exercise tolerance, ergometer, biomedical monitoring during dynamic stress testing, 7361
- Dynness, C.T., soil surface conditions following skyline logging, 14104
- Dysbarism, altitude, treatment with oxygen under pressure, 7367
- Dysinger, Dale W., motivational factors affecting Army research and development personnel, 4228

E

- E.R.S., see Economic Research Service.
- E.S.D., see Electronic Systems Division.
- Egan, Patrick E., relief of estate, 13731
- Eagle (periodical), 3216
- Eagles, bald, symbol of our Nation, announcement and order form, 1565
- Eakins, Thomas, American painting, 5-cent commemorative postage stamp (poster), 17113
- Ear:
 - incidence of diseases in 400 space and test pilot candidates, 14781
 - unilateral caloric stimulation of labyrinth, auto- and cross-correlation of EEG following, 71
- Early skeletons from Tranquillity, Calif., 1531
- Earnings, see Salaries—Wages.
- Earth:
 - crust, composition, geochemistry data, 12606
 - earth-ionosphere waveguide channel, propagation of long and superlong radio waves, USSR excerpt, 17873
 - greatest storm on earth, hurricane, 17738
 - horizon radiance profile, analytical techniques which define location of reference horizons, 9802
 - interior—
 - elementary description, 1114
 - secrets, USSR study, errata, 2426
 - internal structure and physics, 9920
 - ionosphere cavity, thinshell model resonances, 2225
 - lunar intersection of tail of earth's magnetosphere, indications USSR study, 1284

Earth—Continued

- magnetic field—
 - analysis, 16583
 - influence on diurnal variation of foF2 (Fourier analysis), 8512
- materials—
 - hydrologic properties (series), 16701
 - specific yields, compilation, 16701
- photograph taken by lunar orbiter 1, mission summary, 8429
- photographs from Gemini missions, 12880
- regularization, USSR study, 4951
- vibrations from nuclear explosion in salt dome, 8911
- see also Geodesy—Terrestrial magnetism.
- Earth satellites, see Satellites.
- Earth sciences, see Science.
- Earth Sciences Institute, see Institute for Earth Sciences.
- Earthquakes:
 - Alaska, 1964—
 - Anchorage area, effects on hydrology, 1123
 - Copper River basin area, effects, 2371
 - effects on communities (series), 11175-176
 - effects on glaciers (series), 11178
 - effects on hydrologic regimen (series), 1122-23, 11177-178
 - effects on transportation, communications, and utilities (series), 12609
 - Eklutna hydroelectric project, Anchorage, Alaska, effects, 6402
 - field investigations and reconstruction effort, 8169
 - horizontal and vertical crustal movement, Prince William Sound, Alaska, 5940
 - hydrologic effects outside Alaska, 11177
 - its geologic setting and effects, summary description, 8169
 - Kodiak and nearby islands, effects, 1121, 11176
 - Martin-Bering Rivers area, geomorphic effects, 2370
 - Prince William Sound, aftershocks research studies, seismology and marine geology, 12117
 - reconstruction, semiannual reports, 9058, 16159
 - regional effects (series), 1121, 2370-71
 - Seward, Alaska, effects, 11175
 - south-central, effect on air and water transport, communications, and utilities systems, 12609
 - south-central, effects on hydrology, 1122
 - Parkfield, Calif., June 27, 1966, seismological and engineering report, 1934
 - Parkfield-Chollame, Calif., June-Aug. 1966, surface geologic effects, water-resources aspects, and preliminary seismic data, 9574
 - Truckee, Calif., Sept. 12, 1966, effects, 9565
 - United States, 12121
 - USSR, 1255
 - see also Seismograms.
- Earthwork and structures:
 - floodwater retarding structures, hydrologic performance during Colorado storms of June 16-17, 1965, report, 14651
 - winter construction practices, concrete and asphalt, survey, 98
- East (Far East):
 - agricultural data book, 10926
 - agricultural situation—
 - midyear review, 16492
 - 1966 review and 1967 outlook, 12455
 - Far Eastern series, 1627, 2880, 11825, 14674
 - manpower utilization at military installations, report, 9133
 - market profiles, 13463

INDEX 1967

- East (Far East)—Continued
 mineral industry, regional review, minerals yearbook chapter, 11367
 U.S. policy as stated by President Johnson, 2880
- East (Middle East):
 accessions list, Library of Congress American Libraries Book Procurement Center, Cairo, 3554
 events, select chronology 1946-67, and background documents, 13862
 Near and Middle Eastern series, 14680
 oil problems, USSR commentary, 2441
 USSR charges blackmail in oil crisis, 15397
 war or peace, study mission report, 10837
- East (Near East):
 arms sales to Near East, hearings, 15155
 market profiles, 13456
 mineral industry, regional review, minerals yearbook chapter, 6672
 Near and Middle Eastern series, 14680
 special study mission, report, 9104
 translations, 3962
 United States policy in crisis, 14680
- East (U.S.):
 feldspar, resources and marketing, 8339
 fluor spar, Eastern States production, consumption, etc., 16853
 fresh fruit and vegetable unloads in eastern cities, by commodities, States, etc., 7830
 log cabins, rustic work and unseasoned wood, protecting from injurious insects, 5627
 milk consumption and food service patterns to selected institutions, 11935
 precipitation, effects of tropical cyclone rainfall, 15230
- East Africa, *see* Africa.
 East Asia, *see* Asia.
 East Europe, *see* Europe.
 East Germany, *see* Germany.
 East Northumberland Canyon, Nye County, Nev., hedded barite, 16689
 East of the Elbe, Warsaw, Moscow, Belgrade, and Prague study mission report, 6104
 East Potomac Park, bridge with visitor facilities, construct, hearing, 750
 East St. Louis, Ill., air pollution study, 5438-42, 11739
 East Siberian Sea, turbidimetric observations, 9988
 East South Central States, *see* Central States.
 East-West trade, *see* Commerce.
 Eastern Air Lines, Inc., accident, 4369
 Eastern Cherokee Indians, *see* Cherokee Indians.
 Eastern Europe, *see* Europe.
 Eastern Hemisphere, *see* Hemisphere, Eastern.
 Eastern States, *see* East (U.S.).
 Eastern Utilization Research and Development Division, publications and patents, 7254, 15831
 Easton, Pa., area wage survey, 11324
 Eastport, Maine to Montauk, N.Y., coastal warning facilities chart, 14719
 Eastport to Cape Cod, coast pilot, supplement, 5942
 Eat good breakfast to start good day, 14745
 Eaton Yale & Towne, Inc., adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Adjustment Assistance Board, 8767, 10115, 14705
 Eau Galle River, reservoir, outlet structure, hydraulic model investigation, 10960
 Eavesdropping, right of privacy act of 1967, hearings, 12306
 Eberhard, John P., address, Oct. 28, 1966, 2735
 Ebert, P. J., energy dependence of free radical production alanine, 1744
 EBS, *see* Warning systems.
 ECG, *see* Electrocardiograms.
 Echenique, Jorge G., relief, 549
- Echinoderms, *see* Sea cucumbers.
 Echinoids, *see* Sea urchins.
- Echo:
 magnetostatic, study of yttrium iron garnet rods reveals new mode, 12889
 radar, movement and predictability, 6220
 errata, 10964
- Echols, Hamp W., controlling Texas leaf-cutting ants with mirex, 2325
- Echols, William H., aerobic bacteria culture apparatus employing new foambraker, 10007
- Eckel, Edwin B., effects of earthquake of Mar. 27, 1964, on air and water transport, communications, and utilities systems in south-central Alaska, 12609
- Eckerson, A. B., 1966 supplement to dictionary of occupational titles, 6205
- Eckhoff, Mark G., Foreign Service post records in National Archives, list, 14511
- Eckler, A. Ross:
 papers—
 Oct. 28, 1966, 1889
 Mar. 29, 1967, 10383
- Eclipses solar, coronal photographs, isophotes, and flash spectrum, 11551
- Ecology:
 human, south coastal Guatemala, 9954
 hydrology and ecology, Pine Barrens, New Jersey (series), 6408
 Iguanid lizard, 15602
 trace constituents of closed ecologic system, delineation program, 7369
 Economic assistance, *see* Foreign aid.
 Economic concentration, hearings, 6116, 12413
 Economic conditions:
 airport influence on community economy, 14786
 assessment (remarks), 1656
 Commerce Department, agency of business, promotes economic growth guidebook, 5963
 current economic happenings (remarks), 17265
 current outlook for U.S. economy (remarks), 13468
 current problems and prospects (remarks), 5573
 domestic economy, problems and forecasts (address), 17473
 economic data for less developed countries, 4924
 economic development and college enrollment (address), 16477
 economic effects of seasonality in OASDHI tax payments, 17203
 economic environment and urban development (paper), 13929
 economic improvement and growth (remarks), 7213
 economic indicators, 3227
 supplement, 13547
 economy in 1966, price developments, 14304
 effects of marketing (remarks), 242, 1960
 facts about our economy today and in recent months (remarks), 1653
 governmental controls of economy insure prosperity for all (remarks), 9023
 growth—
 community level, 1599
 input and output factors promoting, 225
 navigation and economic growth, Tennessee River experience, 5567
 U.S. economic growth to 1975, potentials and problems, study 4462
 idea of amelioration (address), 9011
 impact of—
 Federal procurement, report, 9044
 tax-exempt foundations and charitable trusts, 4562, 10679
 print additional copies, reports, 13653, 13820
 impact of Vietnam (remarks), 10453

Economic conditions—Continued
 improvement for low income groups through Government programs (address), 4109
 inflation, etc. (address), 17755
 influence on children, research programs, studies in progress, 8967
 input-output table of social product, USSR study, 1239
 livestock-meat economy, simulated inter-regional models, 12453
 mainland China in world economy, report, 12389
 Negro and Puerto Rican worker, impact of changing economy, statistics, 16831
 New York City, some aspects of economic problems, statistics, 15455
 1967 outlook and 1966 year-end economic review, 4430
 outlook and its policy implications, hearings, 13544
 outlook for domestic economy (address), 9012
 projections of economic expansion (address), 5948
 prospects for 1967 (remarks), 4425
 quests for economic stability and equal employment opportunity (remarks), 1065
 recent gains and future opportunities (remarks), 7212
 report of the President to Congress—
 extending date for transmission, law, 9031
 hearings, 7589, 9046
 report, 7785
 responsible conduct and American economy today and 10 years from now (remarks), 2956
 rural people in American economy, 983
 science & technology and how they are applied to further economic growth, 13454
 stable economy, product of shifting policies (remarks), 9496
 tax surcharge and national economy (address), 18244
 Vietnam spending effect—
 hearings, 12187
 report, 13814
 vitality of national economy (address), 223
 what kind of a people are we? can we meet challenges of our Nation? (statement), 18245
see also Negroes—also names of countries, States, etc.
Economic development:
 Alaska, report, 1939
 and Federal system, role of State planning (remarks), 13934
 directory of approved projects, 13931
 economic development (periodical), 3226
 project activity supplement, 6159
 economic development, the human and business equation (remarks), 10905
 EDA districts, job-creating program, 9380
 EDA planning grants, 13932
 programs, status and progress—
 hearings, 4558
 reply of EDA to Subcommittee's interim report, hearing, 12313
 report, 7682
 regional—
 industrial location as factor, 13936
 resource materials, bibliography, 4684
 role of cooperatives, ILO recommendation, text, 13554
 Soviet engineers reply to questions on role of their specialties, 6561
 technology and world trade, symposium proceedings, 8520
 underemployment concept, way to measure need in Appalachia, 10922
 Upper Great Lakes Regional Commission's new approach, 17281
see also Foreign aid.

Economic Development Administration:
 annual report, 2159
 building communities with jobs, 13928
 business loans, who can borrow, how to apply, 6160, 13930
 directory of approved projects, 13931
 grants and loans for public works and development facilities, 7869, 13935
 job-creating program, district development, 9380
 planning grants for economic development, 13932
 press releases, 3715
 program to help build communities with jobs (address), 17708
 programs, progress—
 EDA's reply to Subcommittee's interim report, hearing, 12313
 report, 7682
 research review (periodical), 16478
 technical assistance, what it is, how to apply, 7667, 13933
Economic Development Commission, *see* Balanced Economic Development Commission.
Economic indicators, 3227
 supplement, historical and descriptive background, 13547
Economic Joint Committee:
 act establishing, and rules, 10492
 committee prints, 1977, 4461-62, 5974, 7588, 7590, 9042-45, 10492, 12189-190, 13545-547, 14918-919, 14921, 16147-148, 17564
 fixing representation of majority and minority membership, law, 9032
 hearings, 7589, 9046, 10493, 12187-188, 13544, 14917, 14920, 16146, 16149, 17562-563
 publications, 80th-89th Congresses, 9043
 supplement, 17564
 reports, 7785, 12389, 13814
Economic Opportunity Office:
 advisory councils, monthly newsletter, 2990
 annual report—
 departmental edition, 12451
 document edition, 12208
 appropriations, 1968, supplemental, proposal, 10696
 Assistant Directors, nominations of William H. Crook and William P. Kelly, Jr., hearing, 10864
 community action programs, 3125, 3842, 7879
 traveler/el viajero, newsletter for migrant, etc., farm workers, 7879
 economic opportunity act, text as amended, 6120
 film guide, 10910
 health services, coordinated funding, in projects receiving or eligible for assistance under programs of HEW and OEO, 13938
 JCH series, 4688, 7875-76, 9381, 12448
 legal services, fact sheet, 4691
 legal services in action, 12449
 legal services program—
 annual report, 4690
 monthly account, 3466
 news summary of war on poverty, 3632
 opportunity loan program in rural America, story in pictures and words, 5674
 press releases, 3716
 programs, quick facts, 4693, 9384
 public affairs handbook, factual information for community action agencies, 13940
 the watershed, a new look at war on poverty, 10915
 VISTA volunteer (periodical), 4039
 war on poverty, examination, hearings, 12420, 13878, 15171, 16427, 17665
Economic orders, Civil Aeronautics Board, 3661

INDEX 1967

Economic policy :

American industrial development at home and abroad (address), 7561
 are planning and regulation replacing competition in new industrial state? hearing, 16438
 business outlook and national economic policy (remarks), 13453
 Communist China, anti-economism campaign idealizes poverty, USSR historian claims, 6582
 Communist economic reforms, subcommittee report, 12291
 community development district act of 1966, rural public services, etc., reports, 622, 10748
 construction efficiency and economic reform, USSR, 4977
 cost-benefit analysis techniques, bibliography, 1824
 economic activity and monetary policy, postwar review, 11054
 economic and social development of border area, joint commission to study, agreement with Mexico, 7191.
 economic developments 1960-65 (remarks), 2263
 economic opportunity act—
 amend—
 hearings, 15024, 15171, 16427
 law, 17336
 reports, 14952, 14959, 15125
 amendments of 1966—
 law, 498
 narrative summary, 6161, 9382
 amendments of 1967—
 hearings, 17601
 reports, 16364, 17581
 text, as amended, 6120, 7874
 economic outlook and its policy implications, hearings, 13544
 economic policies and practices, foreign government restraints on U.S. bank operations abroad, 9045
 economy, prospects and policies (remarks), 17471
 effects of current events (remarks), 1655
 Federal assistance programs, catalog, 12447
 foreign trade's role in U.S. economy (address), 16098
 goals for 1967, growth and balance (remarks), 5950
 Government and 1967 economy (remarks), 7565
 Idea of amelioration (address), 9011
 international affairs, cooperative approach (remarks), 10122
 international economic relations and rule of law (remarks), 10120
 intrafactory mechanism for economic reform, USSR study, 4941
 New England, regional economic research and planning, review, 7871
 scientific management and democracy, East Germany, book review, 16759
 USSR—
 economic reform, improvement of methods of planning and economic stimulation of agricultural production, 4961
 industrial enterprise change-over to new planning system, methodological instructions, 1169
 international economic relations, translations, 4024
 state budget under conditions of implementations of economic reform, 4944
 Yugoslavia, economic reform, science and scientific research work, 6515
see also Economic development—International cooperation.
 Economic regulations, Civil Aeronautics Board, 3228
 Economic research (Chinese periodical) :
 translations, 3944

Economic Research Service :

agricultural economic reports, 983-984, 2168-70, 6170-72, 7880-82, 9387-89, 10916-917, 12452-453, 13941-942, 16485-487, 17710-711
 appropriations, 1968, hearings, 10629
 economies of agriculture, 1961-65, reports and publications, 13947
 ERS-foreign series, 990-993, 2174, 4700-1, 7886-87, 9393-94, 10924-926, 12455-456, 13949, 16491-494, 17713
 ERS series, 987-989, 2172-73, 4697-99, 6173, 7883-85, 7390-92, 10919-923, 12454, 13944-948, 17712
 foreign agricultural economic reports, 995, 2176, 4702, 15209, 17714
 outdoor recreation research, publications by staff, list, 13945
 periodic reports, list, 10195
 reports, checklist, 3091
 Economic stabilization, *see* Stabilization.
 Economics :
 agriculture, reports and publications, 1961-65, Economic Research Service, 13947
 allocation of resources for handicapped (address), 6179
 analysis, human resources development programs of Federal Government, questions and outline, papers, 12189
 computations according to model of expanded reproduction, USSR book, 16734
 conference on women in Upper Peninsula economy, 2977
 contributions of Professor Samuelson to field of economic thought, review essay, 6616
 cotton gin operations, economic aspects in Mid South, west Texas, and Far West, 12452
 cybernetics in economy, USSR study, 6537
 dairy marketing, research publications, bibliography, 13950
 do you know your economic ABC's?—
 explanation of input and output factors, etc., 225
 measurement, pacemaker of American economic growth, 7563
 science and technology applications, etc., 12454
 economic education—
 hearings, 14920
 remarks, 1954
 economic efficiency of scientific research, Rumania, 15381
 economic planning aided by mathematics, USSR study, 1328
 economic report on manufacture and distribution of automotive tires, 4798
 economic theory and operational research, USSR book review, 14225
 health economics, program for research, 10050
 health series, 10050, 15685
 instruction, financial assistance guidelines under NDEA, 13956
 macroeconomic productive function as model of economic growth, USSR study, 9630
 mainland China in world economy, hearings, 10493
 marketing research publications, reference, 13944
 milk and bread prices, report, 4539
 minerals in world economy, minerals year-book chapter, 15471
 modern calculation and cybernetics for solving problems, Rumanian studies, 1309
 national defense education act—
 institutes for advanced study, summer 1967, handbook for directors, 1003
 loans to private nonprofit elementary and secondary schools for equipment and materials, 1007

Economics—Continued
 savings bonds, importance in current economic picture (remarks), 18242
 scientific research—
 discussion, USSR, study, 11274
 factors contributing to increased effectiveness, USSR study, 1206
 staff economic study, Federal Reserve System Board of Governors, 4790, 6303, 14040
 understanding of the whole developing economic situation, 4792
USSR—
 macro-economic production functions as applied to economy, 2469
 public health, medical men and economists discuss, 2462
 Vientiane plain, socio-economic study, 6578
 wage-price stability for healthy economic growth and continued prosperity (remarks), 7214
 wisdom to know the difference (address), 10471
Economies in National Government:
 background material on economy in Government, 9042
 coordinated program to relieve pressures in financial and credit markets (remarks), 2951
economy in Government—
 hearings, 12188
 subcommittee report, 13545
 NASA BITS, brief ideas, thoughts, suggestions, 16889
Economics of size in farming, 6172
Economists:
 career opportunities with Civil Aeronautics Board, 17448
 contingency planning for U.S. international monetary policy, statements, 4461
 evolution of an economist, review essay, 6616
 USSR, discuss economics of public health, 2462
Economy approach lighting aids, 10245
Ecuador:
 agricultural commodities, agreement, 15765
 Army area handbook, 10268
 background notes, 13134
 capsule facts for Armed Forces, 15915
 foreign trade regulations, 16101
 Grammitis genus, 17049
 lizards, check list and key, 6948
 mineral industry, minerals yearbook chapter, 11361
EDA, see Economic Development Administration.
Eddy, William H.:
 continuous flotation of fluor spar from calcareous Illinois ore, 14339
 selective flotation of fluor spar from Illinois, 11382
Eddy County, N. Mex., geology and hydrology between Lake McMillan and Carlsbad Springs, 8178
Eddy currents, techniques used in non-destructive testing of metal parts and components, handbooks describing, announcement, 17985
Eden, W. G., insect damage to corn at harvest time and in farm storage, 14751
Edgar, Clement B., jr., mass transfer by sublimation from snow-surface, 4198
Edge-type connectors evaluated by electrical noise measurement, 11462
Edisto Island Beach, S.C.:
 hurricane survey, engineer report—
 departmental edition, 9418
 document edition, 9072
Editing, Atlantida, case study in household sample surveys, 4360

Editors:
 examination announcements, 4411, 10418
 Navy, NAVNEWS 1967 art portfolio, 7025, 17098
 technical, examination announcement, 1931
Edler, George H., relief, 7657
Edmisten, N. G., interstate air pollution study, 5438
EDS, see Environmental Data Service.
EDTA, see Acetic acid.
Education:
 activities in fields of mathematics and chemistry, USSR studies, 1341
adult—
 basic, curriculum guide, beginning level, 4708
 civil defense, personal and family survival teachers manual, 7916, 12470
 community action, 2163
 community service and continuing education, newsletter, 3126
 need to read and write, information leaflet, 10936
 alcohol, conference proceedings, 8187
 allied health professions and services, education for, 14622
 allowances, uniformed services members for dependents' schooling—
 hearings, 10636
 reports, 10569, 12245
 American education (periodical), 3028
 American population, 14833
 American, progress, centennial information booklet, 6191
 and change in scientific age (remarks), 17401
 Arkansas State Advisory Committee report to Civil Rights Commission, 13434
 basic tool for achieving national goals (address), 7918
 bear something away, advice to graduates (address), 996
 bilingual education act, hearings, 15170
 bilingual programs, Federal aid to local agencies, hearings, 15170, 16321
 children in federally affected areas, 1966
 annual report, 6175
 children, research programs, studies in progress, 8967
 city schools, short-changed (address), 16505
 classification, Library of Congress, 5087
 community planning, bibliography, 16540
 consultation and education, service of community mental health center, 1567
 consumer, pennywise teenagers, 15215
 cooperative research monograph series, 2186
 cooperative research to improve nation's schools, report, 16510
 critical mass in education (address), 2179
 Defense Department education of dependents overseas, report, 16322
 Denmark's system and problems, 9397
 desegregation guidelines, do they go far enough?, 9398
directory—
 higher education, 16498
 public school systems, 10930
 State governments, 15211
disadvantaged children—
 bibliography, 4709
 national conference, 1008
 summer education, report, 4720
 economic education, hearings, 14920
 educating for 21st century manpower needs, tomorrow is now, 17717
 education and changing technology (address), 998
 education '67, programs and services, 15212
 educational attainment, population characteristics, 4349
 educational dimensions of model cities program (remarks), 11198

INDEX 1967

Education—Continued
 educational institutions, guide for establishing indirect cost rates for HEW research grants, etc., 8189
 educational manual, 7845
 educational media, programs under higher education act of 1965, announcement, 2178
 educational media specialists, national defense education act, institutes for advanced study, summer 1967, handbook for directors, 1003
 educational opportunities for occupational therapy students, 8899
 Educational Opportunity Bank, establishment, panel report, 15663
 educational planning, guide to Federal financial assistance programs, 10931
 educational research, postdoctoral fellowships, 15216
 educational television and radio broadcasting facilities, construction, Federal grants—
 hearings, 10824, 13710
 reports, 10756, 14980, 16245
 enactments, 89th Congress, 2d session, 6121
 engineers in changing society (remarks), 17402
 equal educational opportunities programs, public school districts, 17 southern and border States, status of compliance, 10943
 everybody's business (remarks), 6180
 exchange programs—
 agreement with—
 Australia, 15770
 Brazil, 11837
 Columbia, 14683
 Great Britain, 13149
 Greece, financing, law, 470
 Israel, 11874
 Italy, 11842
 Netherlands, 11861
 Pakistan, financing, 17236
 United Arab Republic, 11870
 international educational and cultural, 1966—
 fall, 4081
 summer, 4080
 opening decades 1946-66, history, accomplishments, etc., 4819
 opportunities, 14678
 overseas activities in support of modern foreign language and area studies, 16506
 exchanges, agreement with Union of Soviet Socialist Republics, 7182
 Federal employees, task force report, 7046
 annex, 10030
 Federal money and recent legislation, 1967 report, 7907
 Federal money for education, programs administered by Education Office, 7908
 Federal surplus personal property, how to acquire, 12621
 Federal surplus real property, how to acquire, 12621
 fertility and educational attainment, Puerto Rico, 15715
 good day at Rough Rock, giving education back to Indians, 9409
 guidance, counseling, and testing personnel in State Department of Education, directories, 6178
 handicapped, adequacy of programs, hearings, 2046, 7741
 handicapped children—
 preparation of professional personnel—
 grant program, 7897
 manual, 16508
 State plan programs, guidelines, 10933
 health, education, and welfare indicators (periodical), 3394
 health professions, publications, bibliography, 5459

Education—Continued
 higher education—
 act of 1965, title 1, community service and continuing education, newsletter, 3126
 consortiums, guide, 7898
 how education and industry cooperate in scientific research, USSR, 8251
 human frontier, remarks on equality, 1006
 Indian children, study, authorization, report, 15137
 Indians, organizational location in Education Office or Indian Affairs Bureau, 13879
 instruction in State and local school systems, standard terminology, 10942
 instructional television and film, research, 9409
 international education act of 1966—
 law, 412
 legislative summary, etc., 8191
 international education, past, present, problems and prospects, report, 527
 inventory of counselor education programs, 16504
 is it relevant or just prevalent? (address), 12128
 Israel, modern system, development, 6187
 joint commission for review of operation of certain scholarship funds, agreement with Mexico, 7175
 laws—
 compendium, 12295
 text, 6122
 legislation, 1967, hearings, 12419
 low and moderate income groups, new programs, 8193
 Mao's China, 909
 materials, importation agreement, implementation—
 hearing, 951
 law, 371
 reports, 653, 655, 903
 materials, importation agreement, text, 5549
 medical problems in Tadzhikistan, 2474
 Muslim, reviewed in Soviet press, 1252
 NASA educational publications, lists, 2614, 16921
 nation of amateurs, school boards must lead the way (address), 9403
 national defense education act—
 administration of programs under title 3, notes and working papers, 17668
 amend, hearings, 15026, 15170, 16321
 counseling and guidance institutes, program, 6189
 graduate fellowship program for predoctoral study, 2187
 graduate fellowships, 1967-68 graduate programs, 4715
 institutes for advanced study, preparing, proposals, manual, 9401
 loans to nonprofit elementary and secondary schools for equipment and materials, 1007
 modern foreign language fellowship program, 7905
 science, mathematics and foreign language instruction, etc., financial assistance, guidelines, 13956
 student loan program, college work-study program and list of participating institutions, 1001
 title 6, language and area studies, summer, 1009
 national policy for American education (address), 10935
 nonprofessional in educational system, community action, 2165
 nonwhite women, educational attainment, fact sheet, 13185
 nuclear activities, guide, 5796
 objectives for Federal funds (address), 13957
 our common task (address), 2188

Education—Continued

PACAF basic bibliography, 8866
parent education, role in helping low-income families, survey of research, 10402
peering across the generation gap (address), 15214
physical therapists, opportunities, Army Medical Service, 4230
prekindergarten, New York State's program, 13962
program advisors, professional opportunities, examination announcement, 17462
program specialist and advisor, examination announcement, amdt., 10413
programs—
disadvantaged, Education Office, 6192
fact book, 7895
proposals, message from the President, 7602
projections, statistics to 1975-76, 4719
prose, poetry and black power (address), 9407
public—
to RSFSR, 12761
progress in United States 1966-67, report, 12469
French edition, 13955
Russian edition, 13960
Spanish edition, 13952
publications, price list, 5413
quiet revolution (address), 7892
realities of the learning market (address), 9408
re-educating confined delinquents, 2798-99
reference facts, 16706
reinforcing role of States, 2nd annual report of Advisory Council on State Department of Education, 13961
relationship to labor (address), 6589
research—
Education Office training program, 6194
postdoctoral fellowships, 1012
research in education (periodical), 1013, 3825
research or study abroad, overseas projects, 1014
returning disabled Vietnam veteran (remarks), 18143
role in alleviating rural poverty, 10917
scholarships, loans, and financial aids for dependents of Army personnel, 17383
scientific-pedagogical personnel, increasing reserves, USSR study, 11276
se habla español, help for Spanish-speaking youngsters, 13964
sons and daughters of deceased or disabled veterans, assistance, eligibility, etc., 17285
Southern States, problems (address), 2188
specialist and supervisory specialist, examination announcements, 205, 5931
State departments, publications on guidance, counseling and testing, guide, 6185
State educational records and reports series, handbooks, 10942, 16509
State government and education challenge (address), 1015
statistics, digest, 2180
summer projects, 9410
teacher, standards, 6195
teachers, exchange opportunities, 13958
teaching for the future (address), 13965
training activities under manpower development and training act, 9578
unfinished work for States (address), 2192
upward bound, 1967-68, program to help youth from low income families achieve college education, policy guidelines, etc., 9385
USSR—
educational institutions, development, 1227
translations, 3966

Education—Continued

veterans, permanent program, allowance increase—
hearings, 7758, 10859
law, 16133
report, 10792
veterinary medical facilities, construction grants, law, 423
visual and auditory materials of educational character, circulation, agreement and protocol, 5546
women—
continuing programs, 5607
trends in educational attainment, 7237, 7239, 13186, 14726
Yugoslavia, computer engineering problems, 1321
see also Ability grouping in education—
Colleges and universities—Compulsory education—Culture—Elementary education—Indian schools—Junior colleges—Naval education—Professional education—Programmed instruction—Schools—Secondary education—Teaching—Technical education—Vocational education—also subjects taught.
Education and Labor Committee, House: activities and accomplishments during 89th Congress, 4530
calendar, 3474
committee prints, 4530, 9154, 10647, 12295, 16322
expenditures, investigation—
hearings, 4544
report, 4517
hearings, 728-729, 2045-46, 4531-32, 6035, 7741-42, 9153, 10648, 12296, 15023-26, 16321, 16323-325, 17599-601
investigations and studies—
authorization, report, 6021
expenses, report, 7724
reports, 9118, 10576, 12272, 12275, 14933, 14952, 14972, 16242, 16249, 16298, 17581
Education by television, see Television.
Education, Extension and Continuing, National Advisory Council on, see National Advisory Council on Extension and Continuing Education.
Education of Bilingual Children Advisory Committee, establish, hearings, 15170, 16321
Education Office: annual report, 1966, on administration of laws granting Federal aid to schools, 6175
appropriations, 1968—
hearings, 16390
law, 12170
reports, 10616, 10766, 16372
centennial information booklet, progress of American education, 6191
Educational Research Information Center, scope of ERIC clearinghouses, 7893
financial assistance programs for State and local governments, etc., 2183
how it assists college students and colleges 4712
Indian education, inquiry into transfer of responsibility from Indian Affairs Bureau, 13879
organization and functions, handbook, 7917
programs—
administered, 1967 report on Federal money for education, 7908
fact book, 6183
disadvantaged, 6192
handicapped, 4716
Research Bureau, support for research and related activities, description, 6193
research reports, 1956-65, resumes, 17720
study—
hearings, 729, 6035
preliminary report, 9154

Education Office—Continued
 summer projects, special report, 9410
 training program for educational research, 6194
 what decentralization means to schools and colleges, decisions from the field, 16497
 Education parks, plans to improve educational quality and desegregate schools, appraisals, 14850
 Educational and cultural diplomacy, 7150
 Educational boards and departments:
 District of Columbia elected Board of Education act—
 hearing, 17597
 report, 16260
 guidance, counseling and testing personnel, directory, 6178
 Educational Foundation in Italy, *see* United States Educational Foundation in Italy.
 Educational Foundation in Netherlands, *see* United States Educational Foundation in Netherlands.
 Educational Foundation, United States-Israel, *see* United States-Israel Educational Foundation.
 Educational institutions, *see* Colleges and universities.
 Educational Materials Center, organization, activities, and services, 4710
 Educational parks, *see* Education parks.
 Educational Research Information Center:
 research in education (periodical), 1013, 3825
 research reports, 1956-65, resumes, 17720
 scope of ERIC clearinghouses, 7893
 Educators, nonprofessional in educational system, community action, 2165
 Edwards, Lessie, relief, 13573
 EEC, *see* European Economic Community.
 EEG, *see* Electroencephalograms—Electroencephalography.
 EEOC reports, clearinghouse service for business newsletters, etc., 12481
 Effect of Federal programs on rural America, hearings, 17583
 Efficiency ratings, airman, describing performance in administrative career ladder by identifying patterns of trait ratings, 11952
 Efron, Daniel H., ethnopharmacologic search for psychoactive drugs, 17173
 Eggen, D. T., 1000-Mwe sodium-cooled fast reactor, 1792, 5778
 Eggs:
 cleaning, improved methods, techniques, and equipment, 4122
 commercial egg-producing farms, New Jersey, costs and returns, 16489
 egg-type chick hatcheries, costs and economies of scale, 5649
 foreign agriculture circulars, 3345
 futures—
 commitments of traders, 3112
 trading and open contracts, 3369
 good choice for thrifty family, food value, use, recipes, 9350
 heat stability of egg white proteins under minimal conditions that kill salmonellae, 11918
 how to buy by USDA grades and weight classes, 1701
 market news reports, inventory, 6173
 midwestern industry, competitive position, 5651
 plants operating under USDA inspection and grading programs, list, 2137, 16446
 poultry and egg situation (periodical), 3695
 prices and price spreads in 12 major cities, 11943
 processing plants, chemical compounds authorized for use under USDA inspection programs, list, 10878, 16445

Eggs—Continued
 production—
 home chicken flock, 10178
 monthly, 5684, 10107
 tests, U.S. and Canada, 1966 report, 4085
 production, disposition, cash receipts, gross income—
 1960-64, by States, revised estimates, 8848
 1965-66, by States, 11875
 products, liquid, frozen, solid production, 3229
 Egypt, *see* United Arab Republic (Egypt).
 Ebbersold, William B., review of United States oceanborne foreign trade, 17909
 Ehrlich, Eugene, future potentials of navigation satellites, 11394
 Eicke, W. G., designs for surveillance of volt maintained by standard cells, 17042
 Eigenfunctions, upper and lower bounds for eigenvalues of vibrating beams with linearly varying axial load, 2609
 Eigenvalues, *see* Eigenfunctions.
 Elbert, Richard L., antennas for Geminal VHF-UHF polarization experiment (D-14), 10009
 Eilers, Robert D., actuarial services for dental service corporation, 11714
 Eilers, Xavier W., selling in Canada, 16104
 Eiras, Olibio S. Rodriguez, *see* Rodriguez, Olibio S.
 Eisenberg, John F.:
 behavior of *Ateles geoffroyi* and related species, 5500
 rodent ethology with emphasis on evolution of social behavior, 15603
 Eisenberg, Joseph D., high-energy fuels for supersonic transport reserve, 11532
 Eisenhardt, N. H., dehydrated explosion puffed blueberries, 7249
 Eisenhower Lock, St. Lawrence Seaway, investigation of concrete, 13987
 Eisenhower trophy, NGB, announcement of winners, pamphlet, 14523
 Ejectors:
 jet—
 for lift augmentation of VTOL aircraft, wind-tunnel investigation, 2706
 thrust augmentation characteristics, 10290
 static calibration of unit for simulation of jet engines in small-scale wind-tunnel models, 6899
 Eklutna Lake, earthquake of Mar. 27, 1964, effects on Eklutna hydroelectric project, Anchorage, Alaska, 6402
 Ekren, E. B., geological-geophysical investigations of bedrock in Island Falls quadrangle, Aroostook and Penobscot Counties, Maine, 6401
 Elastic guides reduce hysteresis effect in Belleville spring package, 8450
 Elastic strain, *see* Strains and stresses.
 Elastic structures, *see* Elasticity.
 Elasticity:
 analog circuits for 2-dimensional distributed elastic structures, 5169
 dynamic characteristics of variable-mass slender elastic body under high accelerations, 5188
 liquid sloshing in elastic containers, 16906
 plane, integral equation method, 9819
 space vehicle flight control systems, analysis and design, elastic body equations, 15503
 viscoelastic shear-damping mechanisms, damping of structural composites, 6728
 Elastomers:
 infrared spectrum, 15636
 laminated elastomeric bearings in UH-1 helicopter tail rotor, evaluation, 17389
 production and sales, 13161
 silazane, remains resilient at 400° C, 6825
 Elateridae, *see* Beetles.

Elbel, Robert E., amblyceran Mallophaga found on Bucerotidae, 8541

Elbert County, Colo., eastern part, soil survey report, 1611

Elder, George H., relief, 605

Elder, James L., technology and use of lignite, proceedings, Bureau of Mines-University of North Dakota symposium, etc., 1398

Elderly people, see Aged.

El Dorado, Kans., relief, 791

Eldorado Springs quadrangle, Colo., geology, 11165

Eldorado Valley area, Nev., soil survey report, 14662

Elections:

- campaign expenditures committee, 1966, report, 4516
- conducted by NLRB for you on the job, information for voters, 12994
- District of Columbia elected Board of Education act—
 - hearing, 17597
 - report, 16260
- electing union officers, requirements under labor-management reporting and disclosure act, 8286
- employee representation, conducted by NLRB, reports, 3589
- Guam governor, etc., popular election—
 - hearings, 10852
 - report, 10750
- industrial democracy—
 - millions of ballots for, 6938
 - 25 millionth vote, 8532
- investigation, expenses, report, 4611
- local union election appeals, analysis, 6592
- political campaigns, financing—
 - proposals, hearings, 16408
 - remarks, 2955
- predictions and projections of results, effects—
 - hearings, 16400
 - report, 15143
- President of United States, amend equal time provisions of communications act, hearings, 16400
- reform act of 1966—
 - committee print, 4543
 - hearings, 739
- reform act of 1967—
 - hearings, 13884
 - message from the President, 10523
 - report, 15108
- Virgin Islands governor, etc., popular election—
 - hearings, 10852
 - report, 10751
- voting and registration in elections of Nov. 1966, population characteristics, 5877
- see also Contested elections.

Elective offices of State and local governments, 13361

Electric apparatus and appliances:

- component technology for space power systems, design studies, 15064-965, 17399
- electric housewares and fans, current industrial reports, 4326, 15993
- electrical instrument shipments, 1960-65, analysis, 1826
- engineered performance standards, public works maintenance, handbook, 14567
- equipment components, Federal item identification guides for supply cataloging, supplements, 3289
- information center for electrical equipment, USSR, 15377
- inspection tips, safe use of portable electric equipment, 6602
- safe practices, 9724
- USSR industrial development, translations, 4018

Electric arc:

- constricted, characteristics of gas flowing axially through, numerical calculations, 12955

Electric arc—Continued

- laboratory arc furnace features interchangeable hearths, 8392
- opposed arcs permit deep weld penetration with only 1 pass, 2644
- standard light-sensitive paper for calibrating carbon arcs used in testing textiles for colorfastness to light, recommended method, 12981

Electric batteries:

- circuit prevents overcharging of secondary cell batteries, 1471
- classification definitions, 18125
- dynamics of water rejection from hydrogen-oxygen fuel cell to hydrogen stream, 18031
- fuel cells—
 - Government-sponsored research, 1950-64, review, 15514
 - potentiostatic current-potential measurements on platinum electrode in high-purity closed system, 10011
- high rate batteries, 8596
- primary cell uses neither liquid nor fused electrolytes, 15544
- primary cells utilize halogen-organic charge transfer complex, 6837
- see also Storage batteries.

Electric cables:

- clamp bolt fixture facilitates assembly in close quarters, 15533
- coaxial, connector acts as quick coupling, 6783
- coaxial transmission line opening onto flat, dielectric-covered ground plane, input admittance, 16993
- consolidated identification list for test evaluation, Federal supply catalog, Defense Dept. section, 3320
- insulated—
 - current industrial reports, 5865
 - methods of testing, Federal standard, 15252
- insulation of individual conductors in multiple-strand cables, tester for automatic checking, 14369
- logic circuitry used to automatically test shielded cables, 6819
- metal flame spray coating protects electrical cables in extreme environment, 17931
- multipurpose instrumentation cable provides integral thermocouple circuit, 8391
- plug-in connector socket accepts coaxial cable end, 5144
- power, rubber-insulated, general purpose, Federal standard, cancellation, 1072

Electric circuit breakers, solid state recoverable fuse functions as circuit breaker, 6845

Electric circuits, see Circuits.

Electric communications, see Telecommunications.

Electric conductivity:

- ionic conductivity of calcium and strontium fluorides, 6866
- sensitive bridge circuit measures conductance of low-conductivity electrolyte solutions, 16880
- soil conductivity, USSR, measurements, 14229

Electric conductors:

- classification definitions, 18128
- high strength, tungsten fiber-reinforced copper composites form, 2678
- insulation of individual conductors in multiple-strand cables, tester for automatic checking, 14369
- see also Semiconductors.

Electric conduits, Federal item identification guide, 17634

Electric connectors, see Connectors (electric).

- Electric contacts:
bonds, improving in silicon integrated circuits, 16965
brushes, Federal item identification guide for supply cataloging, 6148
thin film process forms effective electrical contacts on semiconductor crystals, 11471
- Electric current converters:
highpower dc/dc electrical power conversion techniques developed, 17997
low input voltage converter/regulator minimizes external disturbances, 6843
solid-state time-to-pulse-height converter developed, 8293
switching-type regulator circuit has increased efficiency, 12910
- Electric currents:
bipolar driver for memory circuits, 2627
clamp provides efficient connection for high-density currents, 11469
direct current converted to multiphase supplies by signal generator, 17979
electric current abroad, tabulation, 17415
interrupted periodically in charging, influence on discharge capacity of electrode, 9998
linear Hall accelerators, instabilities, 5175
microcurrent generator produces electrical currents accurately between 10^4 ampere to 10^9 ampere, 8401
steering commutator offers versatility, 18005
thermogalvanic couples, calculation of parameters, 1241
- Electric discharge:
capacity of electrode, changing by charging with interrupted current, 9998
helium-neon laser discharge parameter study, 17086
- Electric energy, *see* Electricity.
- Electric engineering:
Communist Chinese abstracts, 3119
East European abstracts, 3221
regulations, 9001
shore establishments, Naval Facilities Engineering Command, design manual, 18095
USSR abstracts, 4028
- Electric equipment, *see* Electric apparatus and appliances.
- Electric fans:
crossflow ventilation for grain storages, 7248
current industrial reports, 4326, 15993
- Electric fields:
absolute measurements using field mills, 13035
boiling heat transfer with electrical field, 13334
new near-zone electric field-strength meter, 5291
- Electric furnaces:
classification definitions, 18118
laboratory arc furnace features interchangeable hearths, 8392
radial furnaces, use for growing straight boron carbide whiskers, 9836
- Electric generators, SNAP alternator speed controller and alternator performance results, voltage distortion effects, 12950
see also Signal generators.
- Electric heating elements, immersion and nonimmersion, Federal item identification guide, 16462
- Electric insulation, *see* Insulation.
- Electric lamps:
bulbs, short life, subcommittee report, 4542
current industrial reports, 3169-70, 15994
desk light, Federal standard, 17764
fluorescent, ballasts, current industrial reports, 3170, 13391
- Electric lighting, *see* Electricity.
- Electric lines:
appropriations, 1968, underground electric power transmission research, bearings, 12287
Mosenergo high-voltage overhead electric power network, USSR development study, 6550
reinforced concrete supports for overhead lines, 6536
- Electric locomotives, *see* Locomotives.
- Electric machinery, *see* Machinery.
- Electric motors, solid state circuit controls direction, speed, and braking of dc motor, 1467
- Electric networks, transient analysis generator simulates behavior, 16954
- Electric plants, *see* Electric power plants.
- Electric power, *see* Electricity.
- Electric power distribution, *see* Electricity.
- Electric power distributors, *see* Electricity.
- Electric power plants:
Bratsk and Krasnotarsk hydroelectric projects in central Siberia, USSR, bibliography, 8665
capacity of electric generating plants, world power data, 1058
distribution systems of electrical power stations and substations, USSR study, 2442
earthquake of Mar. 27, 1964, effects on Eklutna hydroelectric project, Anchorage, Alaska, 6402
hydroelectric, 1965, construction cost and production expenses, 11017
maintenance and operation, Air Force manual, 8855
Soviet installation of magnetohydrodynamic generator, 15428
steam, coal resources of southwestern Utah, potential for use, 8341
steam-electric plants, construction cost and production expenses, 6263
- Electric probes:
electron temperature variations in exhaust of magnetoplasma dynamic arc, Langmuir probe analysis, 18047
electrostatic planar and spherical probes theory, 6722
- Electric relays:
automatic, electrical continuity scanner facilitates identification of wires for soldering to connectors, 6768
magnetoresistor monitors relay performance, 6810
relays and industrial controls, current industrial reports, 4343
trisphere spark gap actuates overvoltage relay, 2671
- Electric resistance:
iron, pure, residual ratio, 5348
low cost instrument to measure accurately, 11127
- Electric resistors:
fixed and adjustable, Federal item identification guide for supply cataloging, 10894
resistor monitors transfer of liquid helium, 6750
- Electric resonance, frequencies of dielectric sphere immersed in plasma, 12929
- Electric shock, control of electrical shock hazards, student reference, 9732
- Electric shutter gates image orthicon on and off, 15540
- Electric slip rings:
miniature, environmental study, 14419
silver-base ternary alloy proves superior for slip ring lead wires, 5212
wear studies, 18003
- Electric switchgear:
current industrial reports, 4343

Electric switchgear—Continued
 hybrid solid state switch replaces motor-driven power switch, 12896
 low rate flow switch can be used for gas or liquid, 8477
 preregulator feedback circuit utilizes light actuated switch, 2663
 rugged switch responds to minute pressure differentials, 17996
 switches, magnetically operated, classification bulletin, 2785
 vacuum clamp switch for Pharos capacitor bank, 9984
 vacuum switchgear, survey, 8440
 variable reluctance switch avoids contact corrosion and contact bounce, 11466
Electric transformers, high frequency wide band, uses coax to achieve high turn ratio and flat response, 8398
Electric typewriters, see Typewriters.
Electric utilities:
 statistics, 1965—
 class A and B privately owned, 6262
 publicly owned, 12508
Electric vehicles:
 automobile and air pollution, report of Panel on Electrically Powered Vehicles, 17470
 development, 16580
 development act of 1967, program of research, etc., hearings, 13856
 evaluation of battery-powered vehicles, 9770
Electric waves, millimeter-wave generation with electron-beam devices, etc., 6854
Electric wire and wiring:
 consolidated identification list for test evaluation, Federal supply catalog, Defense Dept. section, 3320
 devices and supplies, current industrial reports, 4345, 16007
 Federal item identification guides for supply cataloging, supplements, 3289
 hook up and lead wire, identification coding and application, military standard, 12444
 insulated—
 current industrial reports, 5865
 methods of testing, Federal standard, 15252
 printed-wiring, terms and definitions, military standard, 16465
 rubber-insulated wire, general purpose, Federal standard, cancellation, 1072
 soldering to connectors, electrical continuity scanner facilitates identification, 6768
 traveling wire electrode increased productivity of electrical discharge machining equipment, 15490
 wire insulation, mechanical properties automatically determined, 17981
 wire size, occupational safety aid, 9709
 Electric wiring, *see* Electric wire and wiring.
 Electrical, *see* headings beginning Electric.
 Electrical equipment, *see* Electric apparatus and appliances.
 Electrical potential, *see* Electromotive force.
Electricians:
 aviation electrician's mate 1 & C, Navy training course, 11653
 construction 3 & 2, Navy training course, 15631
 safe work guide, 11303
Electricity:
 all-electric homes, annual bills, 4771
 appropriations, 1968, underground electric power transmission research, hearings, 12287
 basic fire control technicians, trainee's guide, 1543
 Bonneville power generator and sales statistics, 7448, 15982
 capacity of electric generating plants and production of electric energy, 1058
 classification bulletin, 2785

Electricity—Continued
 control circuit ensures solar cell operation at maximum power, 9832
 electric bulk power supply, reliability, advisory committee report, 14030
 electric energy and selected supplies used, census of mineral industries, 7470
 electric lighting fixtures, current industrial reports, 5858
 electric power statistics, 3230
 electric power, USSR industrial development, translations, 4018
 electrical energy transmission to vehicles, classification definitions, 18131
 Federal power act, regulations, 3816
 federally owned electric power, sale to government of Virgin Islands, Virgin Islands Corporation, Interior Dept., General Services Admin., GAO review, 8146
 fuels and electric energy used, by major groups, etc., annual survey of manufactures, 17419
 hazards of low voltage electricity, 9711
 hydroelectric power—
 development laws, compilation, 1984
 pumped storage, bibliography, 14707
 improved fluid control circuit operates on low power input, 9827
 mid-Atlantic power failure, June 5, 1967, hearings, 13850
 national electric rate book, 1050-57, 2248-53, 3395, 4772-78, 6264, 9457-58, 11018-27, 12510-512, 14027-29, 15245-246, 16582-585
 Northeast power failure of Nov. 9 and 10, 1965—
 analysis and recommendations, 14030
 final report to the President, 14030
 studies of task groups on power interruption, 14030
 nuclear energy for electric power (remarks), 8914
 power and distribution equipment, Federal item identification guides for supply cataloging, supplements, 3289
 power failures, prevention, 14030
 Power Use Conference proceedings, 10323
 principal electric facilities, map, United States, 7974
 propulsion and power production, French frigate Suffren, 9670
 publications, price list, 1562
 purchased by REA borrowers, annual report, 10074
 retail prices and indexes, 3530
 rural—
 borrowers, statistical report, 18199
 electric cooperatives, annual meeting guide, 7105
 facility serving Puerto-Cito Reservation, dedication (remarks), 15875
 farms electrified with central station service, 2850, 17188
 materials acceptable on systems of REA borrowers, list, 3512, 8672, 17187
 program, financing, supplemental, hearings 938
 publications price list, 7055
 REA cooperatives and public utilities situated in single State, exempt from FPC jurisdiction, hearings, 16401
 statistical bulletin, 3500
 supplemental financing—
 hearings, 10625
 report, 13659
 underground distribution, 17190
 utility pole performance study, 1597
 rural electrification act of 1936, amend, hearings, 938, 17585
 simple technique determines ac properties of hard superconductive materials, 6817
 southeastern Federal power program, financial statements, 1966, GAO examination, 15296

Electricity—Continued

- standard arc welders provide high amperage direct current source, 1448
- thermionic diode controlled power system, development, 1433
- TVA—**
 - municipal and cooperative distributors, 1966 operations, 5568
 - power 1966 annual report, 1651
 - power program, 17263
 - sales statistics, retail distribution, 3231
 - typical bills, residential, commercial, and industrial services, 4770
 - U.S. power system, reliability, 14030
- see also* Atmospheric electricity.
- Electroanesthesia, *see* Electroshock therapy.
- Electrocardiograms:
 - multifocal premature contractions, ECG finding of grave significance, 15897
 - spray-on electrodes enable ECG monitoring of physically active subjects, 9825C
- Electrocardiography, computers and public health, report of recent studies, 11723
- Electrochemical analysis, coal, reduction, 16862
- Electrochemical Analysis Section, National Bureau of Standards, activities, July 1966–June 1967, summary, 18080
- Electrochemical technic for measuring carbon dioxide content of blood, 10243
- Electrochemistry:
 - carbon dioxide sensor, 17354
 - electrochemical reduction of chlorine on carbon in molten lithium chloride-potassium chloride, 17003
- see also* Electrochemical analysis.
- Electrodeposition:
 - copper alloys from cyanide electrolytes, ultrasonics effect, 9787
 - iridium, from fused sodium cyanide and aqueous electrolytes, 16865
 - platinum and palladium thick coatings on refractory metals from aqueous electrolytes, 16861
- Electrodes:
 - consumable, touch-start power arc welder, 6803
 - cryogenic cooling reduce high voltage arcing between electrodes operating in vacuum, 5146
 - glass, flow apparatus to determine acidity constant of true carbonic acid and its rate of dehydration, 12734
 - ion, use in measurement of serum ionic calcium, 13271
 - large-gap coaxial-cylinder, high-voltage characteristics, 9908
 - organic adsorption, 10003
 - pasting, exploratory investigation, 8596
 - plasma jet, longer operating life, 8385
 - platinum—
 - in high-purity closed system, potentiostatic current-potential measurements, 10011
 - interaction of carbon dioxide with hydrogen chemisorbed, errata, 8586
 - silver oxide, changing discharge capacity by charging with interrupted current, 9998
 - spinning electrode system on spark-source mass spectrograph for study of aromatic hydrocarbons, 11380
 - spray-on, enable ECG monitoring of physically active subjects, 9825C
 - traveling wire, use to increase productivity of electrical discharge machining equipment, 15490
- Electrodialysis, *see* Dialysis.
- Electroencephalogram, auto- and cross-correlation of EEG following unilateral caloric stimulation of labyrinth, 71
- Electroencephalography:
 - helmet system broadcasts electroencephalograms of wearer, 2660
 - sleep deprivation, prolonged stage 4 and 1-REM, comparison of effects, 15900

Electrolysis:

- aluminum, fluorine balance determination, USSR study, 9645
- cell for orbital test for water electrolysis, 2607
- cell, water-vapor, with phosphoric acid electrolyte, 12858
- electrowinning and tapping of lanthanum metal, 2586
- high-purity neodymium, praseodymium, and didymium metals, electrowinning from their oxides, 11384
- Electrolytes:
 - fused sodium cyanide compared to aqueous, in electrodeposition of iridium, 16865
 - low conductivity solutions, sensitive bridge circuit measures conductance, 16880
 - new, may increase life of polarographic oxygen sensors, 6740
 - oxide, solid, for electrolytic dissociation of $\text{Co}_2\text{-H}_2\text{O}$, study, 6715
 - phosphoric acid, water-vapor electrolysis cell, 12858
 - transport through membrane systems, 15332
- Electrolytic cells:
 - lead-acid cell operation, refractometric sensing of H_2SO_4 specific gravity, 18112
 - primary cell uses neither liquid nor fused electrolytes, 15544
 - saturated standard, surveillance of volt maintained, designs, 17042
 - thermally regenerative galvanic cell, iron serves as diffusion barrier, 12843
 - water-vapor electrolysis cell with phosphoric acid electrolyte, 12858
- Electrolytic dissociation of $\text{CO}_2\text{-H}_2\text{O}$ using solid electrolyte, study, 6715
- Electrolytic methods for producing titanium and titanium alloys, 2579
- Electrolytic separation processes, use for producing ductile vanadium, 12825
- Electromagnetic current meter, measuring current with EMIT while ship is turning, theoretical foundations of method, USSR study, 1170
- Electromagnetic fields:
 - effect on central nervous system, 14504
 - magnetic line source excited cylinder, radiation through plasma sheath, 5176
- Electromagnetic pumps, *see* Pumps.
- Electromagnetic waves, *see* Electric waves.
- Electromagnetism:
 - brazed joint quality tested electromagnetically, 16964
 - electromagnetic guidance study, 16896
 - exact semiclassical theory for galvanomagnetic effects in metals, 15581
 - high transients suppressed in electromagnetic devices, 8463
- Electromagnets, classification bulletin, 2785
- Electromechanical drive, *see* Drive (electromechanical).
- Electromechanical model of man's muscles and its use in programmed teaching, USSR, 2466
- Electrometallurgy:
 - lead-zinc sinter, complex, electric smelting, 14353
 - vanadium, ductile, electrolytic process for producing, 12825
- Electrometer amplifier operates over dynamic range of 5 orders of magnitude, 14414
- Electromigration, solid-state, of impurities in cerium metal, 5129
- Electromotive force, computer programs calculate potential and charge distributions in plasma, 2668
- Electron beams:
 - devices, millimeter-wave generation, survey, 6854
 - parallel X-ray generator, 17983
 - pre-bunched beam from linear accelerator, use in plasma oscillations experiment, 12870

- Electron beams—Continued**
 use in purification of vanadium, 15480
 welder X-rays its own welds, 14423
- Electron bombardment:**
 ion thrusters—
 dynamic characteristics, 18033
 onset of anomalous diffusion, 2710
 mercury ion thrusters—
 accelerator grid durability tests, 14462
 cathode durability tests, 12960
 oxide-cathode durability, 6867
- Electron capture, determination of phenoxy acid herbicides in water and microcoulometric gas chromatography, 15312**
- Electron diffraction, electron optical survey of iron oxide films produced in H_2O , $LiOH$, and $LiOH/EDTA$ solutions, 8594**
- Electron gas in magnetic field, 11569**
- Electron micrographs, replica method for observation of micrometeorite craters in metal substrates, 9815**
- Electron microscopes:**
 employs new video display technique, 16884
 investigation of structure of cerebral cortex and mitochondrial nerve cells, USSR study, 15348
 technique, use in oncogenic virology, 8269
- Electron microscopy:**
 electron-histochemical investigation of experimental myocardial ischemia, 14219
 electron microscopic study of cerebral cortex of man and experimental animals in convulsive states, USSR, 12752
 histochemical methods, USSR study, 12661
 Electron multipliers, improved performance and stability, 11438
- Electron probe microanalysis:**
 qualitative, X-ray wavelength conversion tables and graphs, 17039
 scanning, 5288
- Electron spin resonance, research conducted in field of macromolecular chemistry, Hungary, report, 11256**
- Electron scattering, see Scattering.**
- Electron tubes:**
 and associated hardware, consolidated identification list for test evaluation, Federal supply catalog, Defense Dept. section, 2151, 3319, 7856
 space applications, requirements, 5231
 television and radio receiving tubes, temporary suspension of duty, report, 2028
- Electronarcosis, see Electroshock therapy.**
- Electronic apparatus and appliances, see Electronics.**
- Electronic circuits, see Circuits.**
- Electronic computers:**
 abscissas and weights for Gaussian quadrature, 5284
 acquisition and installation of computers by Army, Pacific, GAO review, 9552
 alphanumeric map information assembly and display system for large computer, 14142
- analog—**
 determines moments of inertia of asymmetrical objects, 6798
 parasite-load speed control for solar-Brayton system turboalternator study, 5258
 simulation, application of stereoscopic display system, 6757
 use of passive circuit for study of square plates, 5168
- analog and digital computer requirements in USSR, 1236**
- analysis of interpreter-computer reporting techniques, 7403**
- applied mathematics, computers, and information models, USSR study, 16735**
- attempts to free engineer from need to master computer language, USSR study, 5020**
- BESM-6 computer, USSR study, 1316**
- Electronic computers—Continued**
 blind programmers, translator program converts computer printout into Braille language, 11441
 central digital data acquisition system, computer-controlled, 11492
 choice of parameters of influence functions using, USSR study, 1181
 CINDA, Chrysler improved numerical differencing analyzer program, 15546
 Communist Chinese abstracts, 3117
 computational procedure for finite difference solution of one-dimensional heat conduction problems reduces computer time, 2675
 computer and invasion of privacy by Government agencies, hearings, print additional copies, reports, 10592, 10786
 computer engineering in railroad transportation, USSR study, 1173
- computer program—**
 calculates monotonic maximum likelihood estimates using method of reversals, 11465
 calculating allowable cut using area-volume check method, 8080
 simplifies transient and steady-state temperature prediction for complex body shapes, 9825A
- computer solution of exponential decay or washout curves, evaluation, 15894**
- computer technology, USSR—**
 developments, 15394
 problems in assimilating, 2449
- computerized parts list system coordinates engineering releases, parts control, and manufacturing planning, 17929**
- cybernetic testing, 8864**
- data reduction technique for Langmuir probe analysis of electron temperature variations in exhaust of magnetoplasma-dynamic arc, 18047**
- digital—**
 adaptive control system, theoretical and experimental research, 5170, 14378
 application to formulation of problems in curvilinear coordinate systems, 9906
 codes for design and evaluation of convectively cooled nuclear-type rocket nozzle, application, 5269
 computation systems for real-time training simulators, military standard, 9373
 control bessemer converter process, USSR study, 1253
 control for automatic addressing of goods, USSR book excerpts, 15383
 high-speed, structural analysis and matrix interpretive system, 12899
 PRESTO II program for trajectory optimization, 6717
 program for analysis and design of state variable feedback systems, 14397
 program for calculating steady temperature, etc., in gas containing heat sources, 16987
 superregulation of nanosecond amplifier-discriminator circuit, 5147
 telegraphy input-output devices, USSR study, 1254
 use in processing X-ray photos, 6741
 Zam series, USSR study, 1308
- digital filters, random process theory aids study, 16952**
- digital frequency counter permits readout without disturbing counting process, 6818**
- digital plotters, subroutines GEORGE and DRASTC, simplify operation, 15485**
- East European abstracts, 3219**
- geographic coding for 1970 census (paper), 4304**
- guidance computer memories, present and future state of the art, 18049**
- impact on job analysis in Air Force, 13268**

Electronic computers—Continued

- internal magnetization of seamounts and its computer calculation, 12612
- machine for engineering calculations, USSR study, 1214
- manipulating dates and time lapses in computerized records system, 72
- mathematical computer programs, compilation, 5196
- mathematical problems of cybernetics and computer engineering, USSR study, 16784
- method of fitting surfaces to assay and other data in three dimensions by quadratic-regression analysis, 2580
- midcourse navigation using statistical filter theory, manual theodolite, and symbolic computer control, 6905
- Minsk-22 digital computer at Hungarian computer center, operation described, 15355
- modal combination program for dynamic analysis of structures, 15527
- MOFSET analog memory circuit achieves long duration signal storage, 6766
- NELJAC-N program, calculate components of earth's magnetic field, 17083
- new electronic computers developed, USSR study, 4949
- power-spectral-density program, 11481
- predicting 3-phase flow in 5-spot water-floods, techniques 15477
- privacy, role of computer as potential invasion, hearings, 10856
- programming—
 - computes single-point failures in critical system designs, 11437
 - detects transient malfunctions in switching circuits, 9826
 - forestry, evaluating long-term investments, 14131
 - gamma-ray spectra, analysis by method of least squares, 8630
 - land landing couch dynamics, 15530
 - linear ac electrical and electronic circuits for steady-state conditions, 16962
 - log lumber recovery and value, program, 14080
 - MAP (Macro assembly program) read-routine for IBM 7094 Fortran II binary tapes, 4845
 - Monte Carlo techniques for statistical system performance analysis, 16950
 - natural frequencies of closed spherical shells determined, 16939
 - oceanography, 14570
 - performs flow analysis through turbines, 1472
 - PRESTO for rapid earth-to-space trajectory optimization, errata, 5157
 - PRESTO version delta, 5178A
 - radiative, conductive, and convective heat transfer problems for variety of geometries, 17959
 - samples digital data for CRT display, 14440
 - stimulates physical systems by solving simultaneous differential equations describing systems, 15526
- STOP, supersonic transport optimization trajectory, 11415
- subroutine ISUDS accurately solves large system of simultaneous linear algebraic equations, 17926
- systems for reduction and analysis of hydrologic data, 13197
- velocities and streamlines, calculating for 2 dimensional, incompressible flow in axial blade rows, 5245
- programs—
 - ablation analysis, 2724
 - analog computation use in predicting dynamic temperature excursions in orbiting spacecraft, 6853
 - auto-diagrammer, 2682

Electronic computers—Continued

- programs—continued
 - calculate potential and charge distributions in plasma, 2668
 - calculating veneer recovery volume and value, 16644
 - chemical equilibria determination in complex systems, 6828
 - determines inventory size, 2641
 - determines performance efficiency of remote measuring systems, 2638
 - elastic analysis of highly redundant structural configurations, 17960
 - equilibrium thermodynamic properties of gases, 9898
 - equivalent circuit for field effect transistor for computer simulation, 6844
 - finite-difference solutions of shells of revolution under asymmetric loads, 11497
 - linear sampled-data analysis for high order systems, 16942
 - multiple correlation determines relations between several independent and dependent variables, 16961
 - numerically controlled milling machines, 2662
 - off-design performance of axial flow turbines, 8411
 - optimization finds value for independent variables that minimize dependent variable, 17958
 - PERT technique monitors actual versus allocated costs, 8458
 - predicts thermal and flow transients experienced in reactor loss-of-flow accident, 17919
 - reduces calculation time of normal response functions, 11446
 - routine adds plotting capabilities to existing programs, 2643
 - satellite position display, 8595
 - searches characteristic data of diodes and transistors, 2654
 - simulates design, test, and analysis phases of sensitivity experiments, 11439
 - space trajectories, for IBM-7090, 15524
 - spectral analyses of up to 7 time series, 2661
 - statistical analysis for random processes, 2652
 - subroutine allows easy computation in extended precision arithmetic, 2639
 - transient analysis generator simulates behavior of electrical networks, 16954
 - VARI-QUIR III provides solution of steady-state, multigroup, 2-dimensional neutron diffusion equations, 17927
 - random integer dispenser, 14116
 - recognition devices, engineers aided in designing through study of brain diseases, USSR study, 6488
 - Rumanian colloquy, 1277
 - satellite telemetry data simulation program, generalized, 1508
 - Setun, using weather satellite data for automatic compilation of cloud maps, USSR study, 12660
 - simulation of plasma and many-body problems, symposium, 16928
 - solid propellant rocket motor performance computer programs using group transformation method, 1483
 - Soviet Minsk-2, and biochemistry, Bulgarian study, 4947
 - SPAD formatter, buffer interface between satellite prediction computer and display, 8593
 - stability theory of multistep methods, 11523
 - stored-program computer application to small scientific spacecraft, 11533
 - teaching dynamic system behavior, 62
 - technology in Soviet economy, 1310

Electronic computers—Continued
 technology of production, USSR study, 6493
 time, leisure, and computer, crisis of modern technology (remarks), 5799
 triple modular redundancy operation improved, 9848
 Ural-4, microlanguage programming and sorting on magnetic tape, USSR study, 12758
 uses—
 analysis of nuclear facilities experimental data and control, 14808
 evaluation of design parameters and cost of heat exchangers, 14324
 higher education, report of advisory committee, 8615
 scientific experiments, USSR study, 11245
 USSR abstracts, 4027
 USSR centers and automatic accounting and control systems, 1340
 VULCAN (digital computer depletion program), use with independent 1-dimensional spatial calculations, 16990
 X-11 variant of census method II seasonal adjustment program, 5902
 Electronic counters, counting and sizing rabbit spermatozoa, 11954
 Electronic cross sections, *see* Cross sections.
 Electronic data processing systems:
 application—
 organization control systems, USSR study, 1273
 seabirds numerical coding, study, 14536
 base procurement mechanization system, AF manual, 10211
 bills and statements of account prepared by electronic data processing equipment, classify as 1st-class mail, amend U.S. code, hearing, 12424
 careers in automatic data processing, Veterans Administration, 17287
 coding and keypunching geological information form for core, grab and dredge samples, 6997
 command information processing systems, human factors research, 119
 computer tape, pocket-size manual tape reader device aids checking, 17972
 data processing—
 DSA civilian career program, 13910
 management in Federal Government, hearings, 16328
 Social Security Administration (lectures), 15737
 digital filters for non-real-time data processing, 17935
 digital magnetic tape system for recording radar data, 17096
 equipment, Federal item identification guides for supply cataloging, supplements, 3292
 FORTRAN programs—
 calculation of hourly values of astronomical tide, etc., 9428
 calculation of Wigner 3j, 6j, and 9j coefficients for angular momenta, 1526
 chemical kinetics, effects on exhaust-nozzle performance, determining, 15575
 computation of Weber functions and derivatives, 8484
 contour plotting, utilizes subroutines, 16958
 determining chemical composition of physical system at equilibrium, 9825E
 GAROL code, calculation of resonance neutron absorption, 15486
 request oriented information selection, 8506
 rotating components of turbomachinery, design simplification calculations, 15488

Electronic data processing systems—Con.
 FORTRAN programs—Continued
 steady-state temperature distribution, calculating procedure, etc., 15487
 thermodynamic data, calculation, 15566
 Hungarian data processing programs, 15375
 industrial plant equipment handbook, 7848
 inter-agency coordination of planning to take advantage of technological improvements relating to—
 agency-Treasury operations, 10119
 disbursing and banking operations of the Government, 10118
 linear circuit analysis program for IBM 1620 Monitor II data processing system, etc., 15525
 management of automatic data processing in Federal Government, training programs, ADP Management Training Center, 16062
 MAP (Macro assembly program) (read-routine for IBM 7094 Fortran II binary tapes, 4845
 multipurpose data acquisition system for instrumentation of nearshore environment, 16522
 northeastern forest-inventory data-processing system, 11134
 problems of science of production engineering, USSR study, 2432
 Project LITE (legal information through electronics), hearing, 15034
 STARS II, fully automatic satellite data processor, description, etc., 11527
 USSR data processing units, ISKRA-1, ISKRA-2, POISK OK-1 and POISK DV-1, 1216
 Electronic dummy for acoustical testing, 16946
 Electronic engineers, job types, 4170
 Electronic equipment:
 automatic electronic test and checkout, definition of terms, military standard, 7861
 components—
 Federal item identification guides for supply cataloging, supplements, 3289
 process reduces secondary resonant emission, 6839
 encapsulation of electronic parts in plastics, review, 7864
 engineered performance standards, public works maintenance, handbook, 14567
 guided missiles preferred items list, military standard, 7862
 maintenance, Coast Guard manual, 4416
 amendment, 10441
 packaging, Navy systems design guidelines manual, 17099
 selected electronic and associated products, current industrial reports, 5871
 underwater robot being developed for ocean research, USSR study, 6568
 see also Electronics.
 Electronic filter discriminates between true and false reflections, 9837
 Electronic frequency discriminator, 12888
 Electronic measuring instruments:
 digital measuring devices, new design, USSR study, 9656
 Randle Cliff radar digital range-measuring instrument, 18114
 Electronic modules:
 embedment stresses, use of transducer to measure, 17978
 microelectronic module, repairable, high-density, provides effective heat sink, 17967
 packaging, 6822
 weld joint damage, test device prevents by eliminating pin forces on unpotted modules, 17970
 Electronic stethoscopes, *see* Stethoscopes.

- Electronic switches:
 - automatic channel switching device, 9849
 - computer program detects transient malfunctions in circuits, 9826
 - integrator easily set and reset using electronic switch, 11464
- Electronic Systems Division, technical reports, 62-65, 4166, 8861-64, 13262
- Electronic technicians:
 - class C—
 - AN/GRC-27A, radio maintenance course, trainee's guide, 11666
 - AN/SRC-20, AN/SRC-21, radio sets, trainee's guide, 8582
 - examination announcement, 1910
- Electronic test instrument generates extremely small current signals, 17923
- Electronics:
 - administration, trainee's guide, 2782
 - aids for physician, USSR study, 1329
 - biology and medicine application, USSR research, 4970
 - circuitry, NASA report, 5193
 - communications, activities—
 - Air Force manuals, 10217-219
 - terminology, Air Force manual, 8856
 - communications-electronics reference data, Army field manual, 1760
 - communications principles and applications of mathematics, technical manual, change, 15953
 - Communist Chinese abstracts, 3119
 - East European abstracts, 3221
 - East European industries, translations, 3935
 - electronic-mechanical method of measuring air current velocities, USSR study, 1178
 - fire control electronics, trainee's guide, 2776
 - fire control technician training, test equipment, trainee's guide, 7023
 - high intensity radiation dosimetry measured with SEMIRAD (secondary-electron mixed-radiation dosimeters), 4219A
 - installation and maintenance book, change, 2853
 - microelectronic module, repairable, high-density, provides effective heat sink, 17967
 - microelectronic terms and definitions, military standard, 13922
 - maintenance, Coast Guard manual, 4416
 - amendment, 10441
 - medical, new devices developed, USSR study, 1264
 - more Belorussian scientists and engineers needed to train specialists in microelectronics, 1271
 - physiological research, USSR study, 4964
 - products in Australia, market information, 16105
 - publications, price list, 1562
 - technology, 2-year post high school curriculum, 1000
 - USSR—
 - abstracts, 4028
 - industrial development, translations, 4019
- Electronics mechanics:
 - communications relay equipment operator, examination announcement, amdt., 203
 - electronics technicians, examination announcement, 12109
 - examination announcement, amdt., 203
- Electronics technicians, *see* Electronics mechanics.
- Electrons:
 - angular distribution of thick-target bremsstrahlung which includes multiple electron scatterings, 14466
 - density, concept for using laser beams to measure in plasmas, 6807
 - density in topside ionosphere, Alouette I observations, 2617, 6736, 16930
 - electron-sensitive solid state matrix, research and development, 16897
- Electrons—Continued
 - energy required to produce electron-hole pair in silicon by tritons, 1501
 - estimation of electron impact cross sections for molecular hydrogen, 11546
 - flow in low-density argon gas including space-charge and elastic collisions, 14480
 - free, in presence of magnetic field, ultrasonic attenuation, theoretical investigation, 2705
 - inertia effects of ion cyclotron wave generation in uniform and nonuniform plasma, 12962
 - irradiation, effects from 20 KeV to 1 MeV on polyethylene terephthalate capacitor-type meteoroid detector, 1491
 - irradiation of mylar, charge storage effects, 2610
 - low energy, collision cross section data, bibliography, 8521
 - magnetically induced nonequilibrium electron temperatures, 9995
 - Monte Carlo code for solution of planar electron-diode problems including electron-neutral elastic collisions, 15558
 - paramagnetic resonance and magnetic susceptibility of Cu (II) compounds with dicarboxylic acids, USSR study, 14252
 - scattering and bremsstrahlung cross-section measurements, 9811
 - stopping power and range tables, 5192
 - synchronous altitudes, trapped radiation environment models, 8437
 - temperature determination from X-ray continuum radiation emitted from high temperature plasmas, 11681
 - temperature variations in exhaust of magnetoplasmadynamic arc, Langmuir probe analysis, 15047
 - transmission through thick silicon targets, 11498
- Electrooptics:
 - electro-optic light modulators, 1489
 - properties, 11487
- Electrophoresis, improved continuous electrophoresis apparatus, application to study of petroleum, 9764
- Electrorefining, *see* Smelting.
- Electroshock therapy:
 - electroanarcosis and electrosleep in man and animals, USSR book excerpts, 15396
 - electrosleep and electroanesthesia (electroanarcosis), USSR articles, 8256
 - treating neurodermatitis patients with electrosleep and hypnosis, USSR excerpt, 17874
- Electrosleep, *see* Electroshock therapy.
- Electrosorption, desalination by electrosorption and desorption, 6445
- Electrostatics:
 - static electricity of polymers reduced by treatment with iodine, 14411
 - test instrumentation evaluates hazards in fluid system, 11474
- Electrothermic equipment, processes and apparatus of vacuum electrothermy, USSR study, 12720
- Electrothermics:
 - electrothermal method for producing aluminum and its alloys, history, USSR study, 12719
 - vacuum electrothermy, processes and apparatus, USSR study, 12720
- Electrowinning, *see* Electrolysis.
- Elementary education:
 - aid to strengthen and improve educational quality and opportunities, administration of programs, notes and working papers, 10865-867
 - elementary and secondary education act—amend rel. to bilingual education, hearings, 15170, 16321

- Elementary education—Continued
 elementary and secondary education act—
 continued
 amendments of 1966—
 administration of programs, notes
 and working papers, 10865-867
 law, 462
 amendments of 1967—
 hearings, 7742, 9153, 12419, 17664
 reports, 9118, 10557
 handicapped children, State plan pro-
 grams guidelines, 10933
 FACE, projects to advance creativity in
 education, supplementary centers and
 services, etc., 2189, 7915, 10940-941,
 17723
 profile, 9406
 title 1—
 annual report, 7890
 grants, application forms, instruc-
 tions, 16503
 school year 1965-66, highlights, 15218
 staffing for better schools, 16511
 title 2, grants, guidelines, 16513
 ESEA amendments, what's new, 6198
 planetarium, elementary-school teaching
 resource, 5278
 public elementary and secondary day
 schools, pupils, teachers, etc., fall 1966,
 statistics, 7896
 Elements (chemical), *see* Transition ele-
 ments.
 Elenowitz, Leonard, cooperative ventures in
 urban America, 14187
 Elevations, *see* Altitude.
 Elevators, freight, safe practices, chart, 9727
 see also Grain elevators.
 Eley, Cleveland P., floriculture and orna-
 mental horticulture, marketing, etc., 7885
 Elias, Z. M., duality between problems of
 stretching and bending of plates, 5186
 Ellsha Kane (USN oceanographic ship),
 general information, 14568
 Elk, population, Yellowstone National Park,
 control, hearings, 10803
 Elk County, Pa., waterflood, Kane sand,
 Kane oilfield, theoretical and field per-
 formance, 9769, 12814
 Elk Creek, Pa.:
 harbor, improvement, engineer report—
 departmental edition, 4731
 document edition, 4473
 Elkhorn Mountains, northern, geology and
 igneous petrology, 2367
 Elkin, Robert, analyzing time, costs, and
 operations in voluntary children's institu-
 tion and agency, 7231
 Elkins, Douglas A., economic and technical
 evaluation of magnesium production meth-
 ods, carbothermic, 11376
 Ellender, Allen J., review of U.S. Government
 operations in Latin America, 7770
 Eller, Charles:
 agar concentration in counting clostridium
 colonies, 17346
 recovery of clostridia from human feces,
 4182
 Elliott, Carl V., relief, 300, 788
 Elliott, Joseph W., effects of age, etc., on
 characteristics of salmon fingerlings, 8042
 Ellipsoids, stress determination in rock-
 burst-prone area, Galena mine, Wallace,
 Idaho, 14351
 Ellipticity, minimum-impulse time-free trans-
 fer between elliptic orbits, 1432
 Ellis, William B., nomination, hearings, 6094
 Ellis County, Okla., soil survey report, 8703
 Ellis Island:
 commemorative medals—
 law, 394
 report, 899
 Elm, *see* Dutch elm disease.
 Elm bark beetles, *see* Beetles.
 Elm spanworms, *see* Spanworms.
 El Paso, Tex.:
 Chamizal boundary, border highway—
 law, 499
 reports, 630, 701, 904
 land conveyance—
 hearing, 721
 law, 471
 report, 682
 El Real, Darien Province, Panama, environ-
 mental survey, 8895
 El Salvador:
 amateur alien radio operators, authoriza-
 tion to operate, agreement, 17242
 mineral industry, minerals yearbook chap-
 ter, 14331
 Elton, Raymond C., determination of elec-
 tron temperature from X-ray continuum
 radiation emitted from high temperature
 plasmas, 11681
 Elutriation, method for determining specific
 surface of dry chemical fire-extinguishing
 powders, 11678
 Elva L. (ship):
 documentation with full coastwise priv-
 ileges, hearings, 745
 Ely, Nev., mining district, distribution of
 gold, silver, tellurium, and mercury, 9564
 Elz, Dieter, European Economic Community
 import demand for oilseeds and oilseed
 products, 4701
 EM series, 2211, 10956, 12475, 13979
 Embassies, *see* Foreign Service.
 Embolism:
 cerebral air, basic studies, 12793
 intermittent venous occlusion, and mus-
 cular exercises, possible preventive ef-
 fects on cardiovascular deconditioning
 after bed recumbency, study, 8408
 Embree, Ruth G., Pacific area, PACAF basic
 bibliographies for base libraries, 10229
 Embrittlement, *see* Fracture of metals.
 Emergencies, *see* Disasters.
 Emergency boards:
 reports—
 Long Island Railroad Company, 13966
 National Railway Labor Conference,
 9415
 Pan American World Airways, Inc.,
 4724
 Emergency broadcast system, *see* Warning
 systems.
 Emergency evacuation tests of crashed
 L-1649, 10321
 Emergency health service, 11732
 Emergency Planning Office:
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131
 assistant director, nomination of Endicott
 Peabody, hearing, 9305
 director, nomination of Daniel Price,
 hearings, 17639
 mobilization programs, hearing, 12185
 press releases, 3717
 report concerning forest and grass fires,
 10702
 print as Senate document, report, 10783
 Emergency services, service of community
 mental health center, 5429
 Emerson, J. A., irradiation preservation of
 fresh-water fish and inland fruits and
 vegetables, 1784
 Emerson, K. C., Carriker on Mallophaga,
 posthumous papers, catalog of forms de-
 scribed as new, and bibliography, 15599
 Emery, K. O.:
 Atlantic Continental Shelf and slope of
 United States, 4889
 seismic reflection profiles along drill holes
 on continental margin off Florida, 15311
 Eminent domain:
 farm acquired to replace one transferred to
 agency having right of eminent domain
 eligible for cropland adjustment pro-
 gram, report, 15087
 highway relocation assistance study, 16340

INDEX 1967

- Emission:**
 air pollution, community, rapid survey technique for estimating, 7062
 resonant, secondary, process reduces in electronic components, 6839
 spectrography determines trace levels of metallic corrosion, 6850
 thermionic scanner pinpoints work function of emitter surfaces, 1449
 vehicle, control, progress (address), 2836
see also Thermionic emission.
- Emission spectra, *see* Spectra.**
- EMIT (electromagnitnoy izmeritel'tekheniy), *see* Electromagnetic current meter.**
- Emitance:**
 measuring absorptance and emittance by using cyclic incident radiation, 6792
 monoenergetic X-rays from alpha emitting isotopes, generation and use, 4234
- Emmerich, W. S., vacuum switchgear, survey, 8440**
- Emotions:**
 man under conditions of space flight, analysis of International characteristics of speech as criterion, 6507
 troubled employees, recognizing and supervising, 14871
- Empey, LaMar T., alternatives to incarceration, studies in delinquency, 10135**
- Emphysema:**
 cigarette smoking effects, 5424
 pulmonary, rehabilitation manual, 14619
 special report, 15712
- Empididae, *see* Flies.**
- Empire of Ethiopia, *see* Ethiopia.**
- Empirical equation relating fatigue limit and mean stress, 9878**
- Employ the Physically Handicapped Week, National, *see* National Employ the Physically Handicapped Week.**
- Employed mothers, *see* Mothers.**
- Employee benefit plans:**
 code of Federal regulations, 11036
 fringe benefits from State minimum wage laws and orders, 5598
 metropolitan areas, 1965-66, wages and related benefits, 5056, 14284, 16814
 private, coverage, contributions, benefits, 8689
 welfare and pension plans disclosure act, questions and answers, 14278
- Employee pensions, *see* Pensions.**
- Employee Rights Board, establish, report, 15121**
- Employee training:**
 Federal legislative employees, training opportunities, report, 16232
 Government employees training act, amend to include officers and employees of Senate and House, hearings, 16431
 how to train workers on the job, 5718
 on-the-job training, employer's guide under manpower development and training act, 13278
 on-the-job training under cold war G1 program—
 hearings, 10859
 law, 16133
 report, 10792
 Operation Late Start, how on-the-job training gives new hope to older workers, 16791
- Employees:**
 earnings and hours—
 retail trade, 8302, 11332
 South and North Central regions, non-metropolitan areas, 15447
 South, metropolitan areas, 5071
 nursing and personal care homes, number, work experience, etc., statistics, 7098
 recording employee injuries, 9714, 16805
 troubled, recognizing and supervising, guide, 14871
- Employees—Continued**
see also Farm labor—Government officials and employees—Railroad employees—also names of departments, etc., where employed.
- Employees' Compensation Appeals Board, decisions, July 1, 1965-June 30, 1966, 7920**
- Employees Compensation Bureau:**
 computations of disability compensation, savings attainable through improved control, GAO report, 14156
 Federal employees' compensation act, disability compensation payments under amendments, GAO review, 2347
 procedures for preventing payment of dual benefits for same disability, etc., GAO review, 12592
 prompt adjustment in compensation payments to injured Federal employees from total to partial disability rates, GAO report, 4870
- Employers:**
 employer-employee relationship in agriculture—
 sharecropping arrangements or landlord-tenant agreements under fair labor standards act, guide, 13176
 where crops are used for rental payment, 7223
 expenditures for supplementary pay for nonproduction employees, 6620
 guide to on-the-job training under manpower development and training act, 13278
 household workers, social security tax guide, 2401
 how to keep time and pay records under fair labor standards act, 8786
 job rights of National Guardsmen, reservists and their employers, 14714
 records kept under fair labor standards act, 13179
 general requirements, 11899
 social security, establishment reporting plan, 1604
 Virgin Islands, Guam and American Samoa, Federal social security tax guide, 2402
- Employer's Liability and workmen's compensation:**
 administrative organization, and cost of administration, 1358
 disability compensation computations, savings attainable through improved control, GAO report, 14156
 Federal employees' compensation act—
 disability compensation payments under amendments, GAO review, 2347
 dual benefits for same disability or death, preventing payment, GAO review, 12592
 payment to injured employees, prompt adjustment from total to partial disability rates, Employees Compensation Bureau, GAO report, 4870
 work injury benefits, 13967
 longshoremen's and harbor workers' compensation act, extended, regulations governing administration, 1019, 4726
 nonappropriated fund instrumentalities act, regulations for compensation, 1018
 publications, price list, 17135
 radiation workers, grants for record-keeping system, hearings, 1974
 State compensatory provisions for occupational diseases, 8337
 State laws, comparison of major provisions with recommended standards, 5046
 State workmen's compensation laws, summary, 9696
 when injured at work, Federal employees guide, 7921, 15219

Employer's liability and workmen's compensation—Continued
workmen's compensation payments and costs, 2867

Employment:
act of 1946—
amend, hearings, 2133
amendments of 1965, hearings, 2133
how well is it achieving its goal?, seminar on manpower policy and program, 5043
text, etc., 10492

age discrimination, prohibit hearings, 9325

American, impact of imports, procedures to relieve, hearings, 16323

area trends in employment and unemployment, 3039

Army Materiel Command, bulletin, 13305

building communities with new jobs, 2159

census of mineral industries, 1963, industry statistics, 7469

city, 7493, 10381

coal mines, monthly report, 3098

community action, 2166

counselors, interviewing guides in individual appraisal and counselee appraisal patterns related to fields of work, handbook, 7922

disadvantaged young men, they need to learn, can you help Job Corps train them, 7878

EDA program—
building communities with jobs, 13928
address, 17708

employment and earnings, and monthly report on labor force (periodical), 3232

employment situation, monthly release, 3239

engineers, scientists, and technicians, current market, 4727

Equal Employment Opportunity Commission reports, clearinghouse service for business newsletters, etc., 12481

expanding job choices through education and training, 9578

farm labor developments, 3264

employment and wage supplement, 3265

Federal—
employment of women (periodical), 3280
employment statistics bulletin, 3281
equal opportunity, 1927
mentally retarded, 1560
2d look, progress report, 16083
monthly report, 3578
travel expenses of applicants, hearing, 17602
working for U.S.A., 14869

Forest Service, nonprofessional jobs, guide, 10184

fuel industries, minerals yearbook chapter, 2536

Government employment series, 7493-94, 10381

governmental finances and employment, 1966, chart book, 1881

handicapped—
employment assistance, Federal and State program, directory, 15664
unparalleled opportunity (address), 8616A
workers, challenge of employment barriers, 1968 report theme contest, 11th and 12th grade students, announcement, 15667

homeworkers in industries under fair labor standards act, 15819

is there a job in your future? Job Corps information, 4687

job creating programs, EDA economic development districts, 9380

job redesign for older workers, 10 case studies, 8303

joint, relationship under fair labor standards act, 13178

Employment—Continued
local law enforcement agencies, Secretary of Labor to collect data, etc., hearings, 16325

major programs providing Federal funds for employment and training, 17416

manpower and employment statistics, 15452

manufacturing, by counties of U.S., 1960, map, 1890

Memphis-Shelby County, Tenn., civil rights report, 14851

mentally-restored applicants, interviewing guide for counselors, 10944

metal and nonmetal industries, minerals yearbook chapter, 8338

military retirees as civilians with Air Force, law, 5697

mineral industries—
minerals yearbook chapter, 2537
survey, 8342, 15465

minority group, in Federal Government, 1930

National Park Service, seasonal, 8562

Negro's occupational progress, 16829

Negroes, success, 15223

nonagricultural industries, measurement, 16825

now, about that job, A B C's for veterans, 14715

opportunities—
Naval Air Systems Command, 3234
Naval Ordnance Systems Command, 3235
Naval Weapons Bureau, 3236
Sport Fisheries and Wildlife Bureau, 14056

Pacific Northwest forest industries, 3774

President's Committee on Employment of the Handicapped, wards and recognition program, 1355

professional, technical and kindred occupations by counties of U.S., 1960, map, 1891

projections 1970, industry, 2508

public, 7494

returning disabled Vietnam veteran (remarks), 18143

safety standards in D.C., amend law—
hearings, 16320
report, 16296

scientific, professional, and technical personnel in State governments, 15450

seasonal, range, forestry, surveying, engineering, fire control, information, 2524

self-employed individuals, pension, annuity, etc., income tax, 9596

self-employed people, reporting their income, social security information, 2861

services for veterans, 1020

sheltered, meaning and aims for handicapped people (remarks), 11700

sheltered workshops, pathway to regular employment, 6593

shoe industry, increasing, 2161

State and local government employment and payrolls, 3894

statistics, 1909-66, United States, 2496
statistics, 1939-66, States and areas, 14283

students—
special minimum wages while full time, 7229, 18251

summer jobs and how to find them, 10947

testing procedures, guidelines, 2227

textile jobs of non-whites in North and South Carolina, etc., opportunities, 13994

USSR civilian employment, 1950-75 estimates and projections, 12090

veterans, Veteran's Employment Service will help you start or resume career, here are facts, 15220

where will you go when the go-go's gone?, information for girls, 8797

Work Programs Bureau activities, 17297

INDEX 1967

- Employment—Continued
 worker attitudes in job seeking, 1021
 workers covered by State unemployment insurance laws, 3233
see also Discrimination in employment—
 Farm labor—Government officials and employees—Handicapped—Labor—
 Manpower—Women—Work.
- Employment of the Handicapped, President's Committee on, *see* President's Committee on Employment of the Handicapped.
- Employment security activities, *see* Unemployment insurance.
- Employment Security Bureau:
 BES series, 6199-6200, 12471, 17727
 internal audits, to correct conditions disclosed, more effective action, GAO report, 4869
 local offices, directory, 13970
 MDTA handbook, 15221
 publications, 6201
 State employment security agencies, Georgia employment security agency, ensure salary comparability, procedures, need for strengthening, GAO report, 8134
- Employment Service:
 employment service review, 3237
 slides and films, 12472
 statistics (periodical), 3238
- Employment taxes:
 Federal unemployment taxes, benefits from quarterly collection, Labor and Treasury Depts., GAO review, 8135
 increase unemployment tax rate, summary of Senate amendments to bill, 2115
 IRS looseleaf regulations system, 2407, 3527, 6457, 9598
- Emulsified fuel, feasibility of burning in gas turbine engines, 11998
- Enactment of law, procedural steps in legislative process, 13720
- Enamel:
 coal-tar, synthetic resin primer, 10073
 copper-acrylic, serves as lubricant for cold drawing of refractory metals, 5140
- Encapsulation (electronics), *see* Electronic equipment.
- Encephalitis, reported incidence of arthropod borne encephalitis of equine in United States, 1965 calendar year, 7255
- Encephalography, *see* Electroencephalography.
- Encephalomyelitis, allergic demyelinating, USSR biochemical and histochemical studies on nerve fiber proteins, 14213
- Eneke, AIC 57C, lunar chart, 7323
- Encoders, evolution of satellite PFM encoding systems, 5241
see also Analog-to-digital converters.
- Enders, Lawrence J., aortic insufficiency in flying personnel, 17348
- Endocrines, *see* Endocrinology.
- Endocrinology:
 Rumanian contribution, 14260
 Rumanian, new horizons, 14216
 seasonal changes among endocrine-metabolic indices of men residing in subtropical climate, 7358
 tumors of endocrine glands, 2841
- Endrin, and carbon tetrachloride, comparison of acute effects on livers of rats, 4252
- Enemy property, interests vested under international claims settlement act, return, hearing, 732
- Energy, *see* Atomic energy—Electricity—
 Force and energy—Radiant energy.
- Energy metabolism, *see* Metabolism.
- Energy resources, *see* Power resources.
- Energy spectrum, *see* Spectra.
- Energy storage, solidification in thermal-energy storage systems with axisymmetric heat-transfer solutions, analysis, 5246
- Enforcement of law, *see* Law enforcement.
- Engel, Arnold, osteoarthritis in adults, 5468
- Engel, George T., tin, 2591
- Engelke, W. T.:
 thermal and mechanical properties of non-degraded and thermally degraded phenolic-carbon composite, 16917
 thermophysical properties of low-density phenolic-nylon ablation material, 14377
- Engelmann spruce, *see* Spruce.
- Engineered performance standards:
 machine shop, machine repairs formulas, 17067
 public works maintenance, electric, electronic handbook, 14567
 roads, grounds, pest control, handbook, 11625
- Engineering:
 and science, fact and fiction (address), 243
 Army aviation maintenance manual, 4218, 7400, 8892, 10282
 aspects of control system design via direct method of Liapunov, 5165
 Communist Chinese abstracts, 3120
 computer-aided teaching of dynamical system behavior, 62
 computer—
 education problems, 1321
 railroad transportation, USSR study, 1173
 computerized parts list system coordinates engineering releases, parts control, and manufacturing planning, 17929
 conservation practice standards, SCS national engineering handbook, 13122
 cotton gin operations, engineering aspects in MidSouth, west Texas, and Far West, 12452
 course and curriculum improvement projects, 5324
 defense communications system, installations standards manual, 4668, 16455
 degrees (1964-65), and enrollments (fall 1965), 13953
 design handbook series, 1750-51, 10252, 15928
 East European abstracts, 3222
 engineering monographs, 2847, 5479, 13103, 17178
 environmental, research grants, 5463
 exposé of numerical integration of ordinary differential equation, 1503
 fatigue failure of aircraft structures, 17062
 Federal careers, examination announcements, 1924, 5933, 17459
 geology of Air Force Academy site, Colo., 11179
 highway safety study, Operation 66, joint engineering-enforcement project report, 1594
 James Millholland and early railroad engineering, 11002
 journal of research, National Bureau of Standards, 3460
 machine for calculations, USSR study, 1214
 maintainability, research and development of materiel, 103
 manpower, employ systems engineering and systems analysis to utilize nation's manpower resources, etc., hearings, 4652, 10869
 observations on MR-5 aircraft fire-fighting and rescue vehicle, 9999
 oceanography and engineering (address), 12116
 opportunities—
 bridge to your success in Public Roads Bureau training program, 18192
 college students in Public Road Bureau, 1593
 PACAF basic bibliography, 13266
 Parkfield, Calif., earthquake, report, 1934
 power engineering trends in Latvian SSR, 1235
 prospective manpower situation for science and engineering staff in universities and colleges, 14563

Engineering—Continued

public health engineering abstracts, 3781
 publications, price list, 17134
 quarterly engineering seismology bulletin, 3793
 Reclamation Bureau, Engineering and Research Center in Denver, 11768
 refractory compounds and their role in engineering, USSR study, 4960
 research progress, Reclamation Bureau, annual report, 11775
 rewarding career with United States Post Office Department, 7042
 seasonal employment information, 2524
 sciences, research objectives, 1967, OAR, 7336
 SCS national engineering handbook, 10087, 14652
 Soviet patents, 9628, 9648
 spacecraft cabin atmosphere selection, criteria, 16912
 submarine engineering administration, training aid, 11664
 Syncom report, 11556
 technician, examination announcement, 1910
 trainees for vacation work-study programs, examination announcement, 17460
 USSR abstracts, 4029
see also Civil engineering—Electric engineering—Environmental engineering—Hydraulic engineering—Marine engineering—Mechanical engineering—Methods engineering—Naval engineering—Nuclear engineering—Radio engineering—Solar engineering—Value engineering.
Engineering aids:
 examination announcement, 7545
 3 & 2, Navy training course, 2775
Engineering draftsmen, *see* Draftsmen.
Engineering equipment:
 Communist Chinese abstracts, 3120
 East European abstracts, 3222
 USSR abstracts, 4029
 Engineering Laboratory, TVA, research, in fields of civil engineering, mechanical engineering, instrumentation, 17260
 Engineering psychology, *see* Human engineering.
Engineering technicians, examination announcement, 13445
Engineers:
 and their education in changing society (remarks), 17402
 architect-engineer fees, Government-wide administration of certain statutory and regulatory requirements, GAO review, 9548, 16668
 Belorussian, more needed to train specialists in microelectronics and bionics, 1271
 brain drain into United States, staff study, 15029
 civilian career opportunities on engineering team of Coast Guard, not for the ordinary engineer, 218
 computer language, attempts to free from need to master, USSR study, 5020
 construction, contracting services for AEC work, guide, 13350
 current employment market, 4727
 design, changes in Patent Office and patent procedures (address), 10020
 employment in industrial research, etc., 1965, preliminary report, 5325
 engineers from abroad, 1962-64, as immigrants, educational exchange students, etc., 9966
 examination announcement, amd., 10410
 improving calibre of engineering personnel, USSR study, 16782
 non-research positions only, examination announcement, amd., 205
 nuclear defense design courses, announcement, 16053
 pay, national, survey, 2507

Engineers—Continued

Soviet, reply to questions on role of their specialties in scientific and economic development, 6561
 study brain disease effects on recognition capacities for use in computer development, USSR study, 6488
 women, why not be an engineer?, 11913
see also Bridge engineers—Civil engineers—Corrosion engineers—Electronic engineers—Flight engineers—Highway engineers—Metallurgical engineers.
Engineers Corps, Army:
 amphibious units, field manual, 4204
 construction bids, quantity estimates prepared for solicitation, GAO review, 14152
 dredging contracts, policies and procedures, GAO review, 14154
 flood control, rivers and harbors, new projects and monetary authorizations—law, 493
 report, 698
 law regarding deposition of industrial waste solids into navigable waters, need for improving procedures to ensure compliance, GAO report, 4868
 manuals, 2211, 10956, 12475, 13979
 oil interests, acquiring, procedures to preclude more than just compensation, GAO report, 16670
 planned Federal contribution toward cost of State-constructed Del Valle Dam and Reservoir, Alameda County, Calif., GAO review, 6384
 press releases, 3718
 publications available for purchase, 15981
 publications list, 13978
 regulations, ER series, 6206, 15226, 17735
 report 1966, civil work activities—departmental edition, 16518
 document edition, 16151
 safety, general requirements, manual, 10956
 southeastern Federal power program financial statements, 1966, GAO examination, 15296
 technical services, in war against Japan, 5096
 your work in Corps of Engineers, pamphlet for civilian employees, 1031
Engineers Corps Board of Contract Appeals, digest of decisions, 7926
Engineer's digest (periodical), 3240, 17468
Engines:
 accessories, Federal item identification guides for supply cataloging, supplements, 3285
 engines and components, Federal item identification guides for supply cataloging, supplements, 3285
 internal combustion engines—current industrial reports, 5866, 8940
 operation and maintenance, 13017
see also Rockets—Turbines.
Engines (aircraft):
 aircraft engine oil components, identification, use of thin-layer chromatography (TLC), 11674
 airworthiness standards, Federal aviation regulations, 7947, 10989
 Army aviation maintenance engineering manual, 10282
 current industrial reports, 3169, 13389
 cylinder pressure variation, indicator system provides complete data, 5200
 jet, static calibration of ejector unit for simulation in small-scale wind-tunnel models, 6899
 M-1 engine components, alloy 718 application, 12862
 turbojet, having choked inlet flow, performance measurement, inlet flow characteristics, and radiated noise, 11499

Engines (aircraft)—Continued
 type certificate data sheets and specification, 3017
see also Rockets.

England, *see* Great Britain.

English Channel, lights and fog signals, list, 5384, 11644

English language:
 English and Government, Federal textbook on citizenship, 14190, 17844
 instruction, financial assistance guidelines under NDEA, 13956
 national defense education act—
 institutes for advanced study, summer 1967, handbook for directors, 1003
 loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
 requirement of immigration and nationality act, change exemption, hearing, 7751
 teaching forum, facts and ideas for teacher of English as foreign language, 5577

Engvall, John L., engineering exposé of numerical integration of ordinary differential equations, 1503.

Enlisted Evaluation System, 17381

Enlisted men, *see* Coast Guard—Navy.

Enlisted ratings qualifications manual, 14876

Ennis, Philip H., criminal victimization in U.S., 13059

Enolase, substrate protection mechanism against ionizing radiation, studies, 14774

Enriching community life, Federal assistance program for neighborhood facilities, 2380

Enrico Fermi reactor, *see* Reactors (atomic).

Enrollment, *see* Colleges and universities—Schools.

Enterococci, enteric microbial flora of man in oxygen-hellum atmosphere, 79

Enterprise statistics, 1963, preliminary reports, 3241

Entocythere, *see* Crustaceans.

Entocytheridae, *see* Crustaceans.

Entomacrodus, genus, circumtropical shorefish, revision, 11604

Entomologists, examination announcement, amendment, 8985

Entomology:
 All-Union Entomological Society of Academy of Sciences, USSR, activities, report, 2471
 Czechoslovakia, research, main centers and principal achievements, 2472
 4-H club leaders' guide, 4134

Entropy:
 absolute entropies prediction from gas chromatographic retention data, 18111
 relationship of entropy and quantity of information, USSR study, 14247

Entry into atmosphere, *see* Atmospheric entry.

Environment:
 accident, low-level radioactive waste containers, investigation, 8909
 achievement of thermal balance and its maintenance during environmental stress, 1822
 aircraft, respiration rate transducers, development, 18044
 aqueous, titanium, etc., alloys, crack propagation, delayed failure, and residual static strength, 6872
 closed system, trace contaminants contained in samples at 258 mm. Hg, analysis, 10234
 cold regions science and engineering, 1756, 14793-794
 control—
 environmental aspects of hospital, safety fundamentals, 15690
 health protection, target of Bureau of Disease Prevention and Environmental Control, 11734
 deuterium, cytology advanced by studying effects, 16881

Environment—Continued
 environmental characteristics of tunnels in South Vietnam, 15229
 environmental sciences, research objectives, 1967, OAR, 7336
 environmental test methods, military standard, 16469
 fecal coliforms, sanitary significance, 6343
 health series—
 air pollution, 1572, 5428, 7062-63
 Arctic health, 14623
 radiological health, 7064-65, 8630, 10047, 11725, 15681-682, 17140
 urban and industrial health, 15683-684
 heat exchanger tubes supported in high vibration environment, 5220
 low pressure, indirect calorimetry, 11957
 meteoroid, near-earth, 1512
 natural environment radioactivity from radon 22, 17140
 natural, of satellite in synchronous circular orbit, 15883
 near-space environment, 11575
 oxygen at 210 mm. Hg absolute, effects on rats, 1740
 Pegasus thermal design, 1477
 evaluation, 2687
 phenolic nylon, effect on ablative performance, 9889
 pure oxygen, low-pressure, rats born and raised in, energy metabolism, 5709
 radiation surveillance, 10048
 science and improving our environment, 14738
 sealed, microcontaminant studies, infrared spectrophotometry utilization, 8869
 simulation, effectiveness of testing for spacecraft, 11549
 space environments—
 biological effects of protons, estimate, 4176
 microbially controlled, NASA standards for clean rooms and work stations, 15522
 simulated, effects on thermal radiation characteristics of black coatings, 16980
 simulated, explosive cutting in, 8466
 trace constituents of closed ecological system, delineation program, 7369
 strategy for livable environment, 12622
 surface mining and our environment, special report, 14201
 survey in El Real, Darien Province, Panama, 8895
 testing, contaminant producing materials from integrated life support system, 11416
 thermal, and temperature history of lunar orbiting space vehicles, computer program to determine, 16951
 trapped radiation environment models, 8437, 16929
 vacuum—
 improved rolling element bearings, 6835
 screw-seal performance, 6885
 Venns and Mars, advanced manned planetary mission programs, nominal natural environment, establish numerical values, 8436
 Environmental control systems, *see* Control systems.

Environmental Data Service, ESSA technical memorandum, EDSTM series, 6219-22

Environmental engineering, space-cabin atmospheres, engineering trade-offs of 1-vs. 2-gas systems, literature review, 12879

Environmental Engineering and Food Protection Division, research grants, 5463

Environmental health, *see* Health.

Environmental Research Institutes, *see* Institutes for Environmental Research.

Environmental safety, *see* Safety of life.

Environmental Science Services Administration:
 Boulder, Colo., facilities, general information, 16097
 deputy administrator, nomination of Werner A. Baum, hearing, 6095
 ESSA world, official employee publication, 3243
 group life insurance program, annual report, 5778
 Institute for Oceanography, programs and mission, 16537
 members serving with Air Force, provide same status as those serving in Army and Navy—
 law, 380
 report, 888
 monograph, 4747
 press releases, 3719
 professional papers, 15230
 program decisions (address), 7937
 research for successful exploitation of sea's resources, 10970
 satellite programs, 1033
 technical memorandums, 6219-22, 7935, 9427-29, 10964-966, 12479, 15231, 16532
 technical reports, 2223-25, 4748, 6223-25, 9430, 10967-968, 16533
 Enz, Richard W., water supply outlook and Federal-State-private cooperative snow surveys for Arizona, 4044
 Enzler, Jared, revised indexes of manufacturing capacity and capacity utilization, 14045
Enzymes:
 clearing and staining small vertebrates, 11605
 selected blood response, man in oxygen-helium atmosphere, 85
 see also Dehydrogenase.
Ephemerides:
 American ephemeris and nautical almanac, 2768, 6995
 ephemeris of sun, Polaris, and other selected stars, 17902
 Epicamper, see Muhlenbergia.
Epicormic branching on 8 species of Appalachian hardwoods, 8078
Epidemics, process concept, defining, USSR study, 9633
Epidemiology:
 cerebrovascular disease, workshop papers, 7084
 Hygiene and Epidemiology Institute, Bulgaria, organization and tasks, 6497
 New Jersey radium cases, follow-up, progress report, 10301
 reports from world press, 3242
 stroke, study, 11726
Epilepsy:
 NYC enrollees, project sponsors guide to placement, 2488
 progress in research, 18182
Epoxy resins, see Resins.
 Epperson, W. L., man in oxygen-helium environment, heat exchange, 81
 Epstein, Anita G., Upper Silurian and Lower Devonian stratigraphy of northeastern Pennsylvania, New Jersey, and southeasternmost New York, 11167
 Epstein, Lenore A., aged population of United States, 1963 social security survey, 13120
Equal employment opportunity, see Discrimination in employment.
Equal Employment Opportunity Commission:
 annual digest of legal interpretations, 12480
 annual report, 9064
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 reports, 10616, 16372

Equal Employment Opportunity Commission—Continued
 authority to issue enforceable cease-and-desist orders, message from the President, 12199
 EEOC reports, clearinghouse service for business newsletters, etc., 12481
 legal interpretations issued or adopted by, digest, 3205
 member, nomination of—
 Alexander, Clifford L., jr., 17667
 Shulman, Stephen N., hearing, 9327
 Ximenes, Vincente T., hearing, 10863
 newsletter, 3633
 press releases, 3720
 strengthen enforcement powers, hearings, 13877
 Equal pay for equal work, see Women.
Equalant III, data report, tropical Atlantic Ocean, 8569
Equations:
 asymptotic behavior of solutions of boundary problems for quasilinear differential equations, 11573
 balance equation, use in tropics, 9429
 canonical, determination of regularity of automata, 6581
 class of n^{th} order nonlinear differential, Lyapunov functions, 5180
 computer program VARI-QUIR III provides solution of steady-state, multi-group, 2-dimensional neutron diffusion equations, 17927
 depletion, one-dimensional spatial calculations for VULCAN (digital computer program), 16990
 differential—
 axisymmetric vibration of paraboloidal shells of revolution, 17946
 multistep methods, stability theory, 11523
 numerical integration, engineering exposed, 1503
 numerical solutions stability, 5243
 ordinary, numerical integration by new Lie series method, 9877
 solved by computer program simulating physical systems, 15526
 empirical equation relating fatigue limit and mean stress, 9878
 for application of wind-tunnel wall corrections to pitching moments caused by tail of aircraft model, 2715
 integral, method in plane elasticity, 9819
 integration of control equations and problem of small time constants, 8505
 linear, algebraic, simultaneous, computer subroutine ISUDS accurately solves large system, 17926
 linear differential, theory, asymptotic methods, 12976
 Lyapunov functions from auxiliary exact differential equations, 11421
 modified quasilinearization concept for solving nonlinear 2-point boundary value problem, 12941
 multivariate regression for predicting volumes of 4 Hawaii hardwoods, 8084
 nonlinear—
 incremental procedure solution applicable to plates and shells, 2727
 magnitude of nonlinearities in collisionless magnetoplasma waves, 5253
 problem of transient cooling of opaque sphere in space, theoretical solution, 14458
 regression and principle of least squares, evaluating constants and calculating variances and covariances, 6681
 vibration and buckling of prestressed shells of revolution, 6878
 ordinary differential, finite difference methods, for numerical integration, operational unification, 11539
 plasma stability and Bohr-van Leeuwen theorem, 8495

- Equations—Continued
policy-capturing model, applied to select-
ing a harem, 15893
provide tabular information on effects of
uniform and variable loads on thin, flat,
circular plates, 8399
Rammsonde, test for snow hardness, re-
evaluation, 1755
Runge-Kutta, approximate solutions, 15563
Schrödinger, numerical solutions, accurate
and stable, 17090
simplified prediction, for NRL satellite
position display, 5349
space vehicle flight control systems, analy-
sis and design—
elastic body, 15503
trajectories, 12872
stand volume equations for shortleaf pine
in Missouri, 14094
study compares methods for numerical
solution of ordinary differential equa-
tions, 1463
thermodynamic properties of fluids, in-
cluding 2-phase region, calculating from
empirical equation of state, 9776
thermoelastic and viscoelastic cylindrical
sandwich shells, 1436
transport, radiant energy in nongray, non-
scattering gases, approximation, 11544
van der Waals fluid in 2-phase region,
thermodynamic properties, 11379
vector integral equations, applications to
terrain, 7935
see also Mathematics.
- Equations of motion:
rigid-body motion extracted from total
motion of flexible body, 9845
spacecraft arbitrary rotating motion, ap-
proximate solutions, 18054
transient blade motions of rotor with
flapping and lead-lag degrees of freedom,
numerical method for studying, 17019
- Equations of state:
fluids, thermodynamic properties calcu-
lated from empirical equation of state,
9776
helium-nitrogen mixtures, 8374
Equatorial Guinea, *see* Fernando Pó—Rio
Muñi.
- Equilibrium:
analysis and its application to attitude
control systems, 14499
carbonate-bicarbonate, research, USSR
study, 1250
chemical equilibria in complex systems,
computer program determines, 6828
composition of air, equations for rapid
machine computation, and derivatives
for flow-field calculations, 16973
dissociating air, stagnation-point bound-
ary layer with suction and injection,
8499
thermochemical, isentropic flow solutions
for reacting gas mixtures, 16979
thermodynamic, computer program for
determining chemical composition of
physical system, 9825E
thermodynamic in prebiological atmos-
pheres of C, H, O, N, P, S and Cl, 11426
thermodynamic properties of high-temper-
ature nitrogen seeded with alkali-metal
vapor mixture, 16974
- Equilibrium (physiology):
function of primates, effects of pulsed
ionizing radiation, 7354
- Equine encephalitis, *see* Encephalitis.
- Equine infectious anemia, *see* Anemia.
- Equine piroplasmiasis, *see* Piroplasmosis.
- Equipment operators, and repairmen, exami-
nation announcement, 12102
- Equipment specialists, examination an-
nouncements, 1911, 14854
- Equipments, *see* Aeronautical supplies—Air
purification equipment—Dental instru-
ments and apparatus—Handling equip-
ment—Hospital apparatus and supplies—
Medical instruments and apparatus—
Military supplies—Veterinary instruments
and apparatus.
- Equity:
corporate equity ownership of securities
under securities exchange act of 1934,
full disclosure—
hearings, 13846
report, 15133
in pursuit of equity, who serves when not
all serve?, report of National Advisory
Commission on Selective Service, 7045
Equivalent circuit for field effect transistor
established for computer simulation, 6844
Erdman, Lewis W., legume inoculation, what
it is, what it does, 14739
Erdmann, Gayne G.:
chemical weed control in 2-year-old walnut
planting, 14098
promising conifers for western Iowa, 8107
Erdogan, Fazil, crack propagation theories,
17939
Erenyi, Gizella, relief, 12223
Ergodic properties of tracer system, 13337
Ergometers, *see* Dynamometers.
- ERIC, *see* Educational Research Information
Center.
- Erickson, Edwin E., area handbook for Ecua-
dor, 10268
- Erickson, Elmer O., relief, 607, 7627
- Erie Canal, 5-cent commemorative postage
stamp (poster), 11692
- Erie, Lake:
and its tributaries, pollution, 3d meeting,
proceedings, 6344
coast, Cattaraugus Creek Harbor, engineer
report—
departmental edition, 10950
document edition, 10505
coast, Conneaut Harbor, engineer report—
departmental edition, 2208
document edition, 2000
coast, Elk Creek Harbor, engineer report—
departmental edition, 4731
document edition, 4473
pollution, conference, proceedings, 16609
small craft, gale and whole gale warning
facilities chart, 14723
- Erlanson, E. P., auxiliary power systems for
lunar roving vehicle, 16891
- Erosion, *see* Soil erosion.
- Erosion control, *see* Soil erosion.
- Error-correcting codes, noise-rejection coding
of digital teletype communications in
complex automatic hydrometeorological
telemetering systems, USSR study, 8275
- Errors:
analysis of celestial-inertial navigation
for low-thrust interplanetary vehicles,
8424
atmospheric, in microwave azimuth mea-
surements, experimental study, 2224
data compression with error-control coding
for space telemetry, 11558
digital system detects binary code patterns
containing errors, 2647
gain measurements in standard electro-
magnetic horns, 9944
gas laser, canceled with neon isotopes,
5226
output pulse timing, modified univibrator
compensates, 12834
rounding bounds by perturbation-condition
analysis, 16978
systematic, in ultrasonic propagation
parameter measurements, iterative re-
flection-interferometry method eval-
uated, 9983
- ERS, *see* Economics Research Service.
- ERS-foreign series, 990-993, 2174, 4700-1,
7886-87, 9393-94, 10924-926, 12455-456,
13949, 16491-494, 17713

- ERS series, 987-989, 2172-73, 4697-99, 6173, 7883-85, 9390-92, 10919-923, 12454, 13944-948, 17712
- Erythrocytes, *see* Blood.
- Erzberger, Heinz, Kalman filtering application to error correction of inertial navigators, 6904
- ESC series, 16568-569
- Escape systems:
- Apollo spacecraft, pitch control motor for launch escape system, qualification evaluation, 15560
 - emergency system protects personnel from explosion and fire, 6796
 - Gemini, development, etc., 12945
- Escapees, *see* Refugees.
- Escherichia coli:
- comparison of differential agar with Sellers citrate-mannitol-agar, 10233
 - potassium transport mutant phosphorus metabolism abnormalities, 10235
- ESD, *see* Electronic Systems Division.
- ESEA (elementary and secondary education act) *see* Elementary education—Secondary education.
- Eskimos:
- Alaska, general information, 2389
 - arts and crafts, sources, list—individuals, 12640
 - organizations, 12639
 - dental health program, 11724
 - ethnoarcheology of Crow Village, Alaska—departmental edition, 9048
 - document edition, 9048
- Eslyn, Wallace E., relation of visual estimates of decay to specific gravity loss in stored cottonwood and willow, 2299
- Esocidae, *see* Fish and fisheries.
- Esophoria, acuity and phoria among submariners, longitudinal study, 12791
- Espantoso, Yong Ok, relief, 16184, 17531
- Espenshade, G. H., geology and petrology of Greenville quadrangle, Piscataquis and Somerset Counties, Maine, 16654
- Espinosa, Mario V. Machado, *see* Machado Espinosa, Mario V.
- Espionage:
- laws—compilation, 1987
 - military security, 6934
- ESSA, *see* Environmental Science Services Administration.
- ESSA 3 (meteorological satellite), *see* Satellites.
- Essential services of community mental health center, 5429-30, 11727-28
- Establishment reporting plan, statement for use of employer, 1604
- Estados Unidos de America indicaciones utiles sobre la aduana para los no domiciliados en los Estados Unidos, 13906
- Estate tax, *see* Inheritance and transfer tax.
- Estates, *see* Decedents' estates.
- Estep, Phyllis M., beginning for rural disadvantaged in Louisiana, Project Seesaw, 8284
- Esters:
- lubricants, temperature limitations in ball bearings, 15576
 - pinacolic, of methylfluorophosphine acid, clinical observations of individuals contaminated, Bulgarian study, 1230
 - polyester films, adhesive for bonding, cures at room temperature, etc., 2631
 - transesterification of phosphites and phosphinites by monohydric and polyhydric alcohols and phenols, USSR study, 1210
- Estes, Jonnie M., two-constant equation for helium from 30° to 1,475°K, 14357
- Estevez, Mario O. Santos, *see* Santos-Estevez, Mario O.
- Estuaries:
- Delaware, comprehensive study, summary of preliminary report and findings, 2272
- Estuaries—Continued
- preserve, develop, etc., for sport, recreation, etc.—
 - hearings, 4635, 9164
 - report, 695
 - Etchings of Canaletto, 10080
 - Ethanes, shipments, 15484
 - Ethers, lubricants, temperature limitations in ball bearings, 15576
- Ethics:
- medical ethics and research, symposium, 18247
 - medico-moral ethics for hospital ministry, 15817
- Ethiopia:
- background notes, 8706
 - capsule facts for Armed Forces, 11974
 - economy, basic data, 7580
 - establishing business in, 13465
 - housing, basic information, 6417
 - labor conditions, 1373
 - labor law and practice, 5054
 - mineral industry, minerals yearbook chapter, 6649
 - parcel post, agreement, 17239
- Ethnoarcheology of Crow Village, Alaska:
- departmental edition, 9048
 - document edition, 9048
- Ethnography, *see* Ethnology.
- Ethnology:
- ethnographic study series, minority groups in Republic of Vietnam, 5735
 - manpower potential in our ethnic groups, seminar proceedings, 17885
 - Soviet, ethnography translations, S261
 - see also* Ethnopharmacology.
- Ethnopharmacology, search for psychoactive drugs, symposium, proceedings, 17173
- Ethology, *see* Character.
- Ethylene dibromide, use for fumigation of Mexican fruits, manual, 13203
- Etiology, viruses of human leukemias, recent research, Rumanian studies, 6549
- Eucalyptus, blackbutt, Hawaiian grown, physical and mechanical properties, 2328
- Euchromius, *see* Moths.
- Euclides P, AIC 76 A, lunar chart, 7328
- Eudoxus, LAC 26, lunar chart, 13263
- Eufaula National Wildlife Refuge, general information, 4806
- Eugenie II (vessel):
- documentation with coastwise privileges, report, 10761
- Eulogies, *see* Memorial services.
- Euparixia, *see* Beetles.
- Euphilomedes arostrata, new myodocopid ostracod from Maldives Islands, Indian Ocean, 6954
- Euphilomedes multichelata, *see* Crustaceans.
- Eureka to Point Conception, Calif., coastal warning facilities chart, 11901
- Europe:
- agricultural situation—
 - midyear review, 16491
 - 1966 review and 1967 outlook, 9394
 - civil divisions, geographic report, 11827
 - Eastern—
 - agriculture, forestry, and food industries, translations, 3954
 - building bridges to (addresses), 10099
 - doing business with Eastern European countries (addresses), 2416
 - East of the Elbe, study mission report, 6104
 - economic organization and management, translations, 3959
 - electronic and precision equipment in industries, translations, 3955
 - geodesy and cartography, new developments, Hungarian study, 15358
 - hydrometeorological and meteorological services, conference of directors, USSR study, 1179
 - machinery industries, translations, 3956
 - materials industries, translations, 3957
 - military information translations, 3556

INDEX 1967

Europe—Continued

Eastern—Continued

- political translations, 3691
- scientific abstracts, 3217-24
- selected functional bibliography, 15763
- service industries, translations, 3958
- sociological translations, 3882
- United States trade, Communist areas, 16108
- European and British Commonwealth series, 1626, 10099
- health information for travel in, 13079
- markets, quality evaluation of U.S.-grown citrus fruit, 5616
- mineral industry, regional review, miner's yearbook chapter, 15473
- our changing partnership, special study mission, report, 6024
- propagation at 5GHz, comparison of predictions and measurements for various types of paths, 6223
- Russia's Europe, rebellion, fact and fiction, print additional copies, report, 12373
- study mission, 1966, report, 7744
- tide tables, 12120
- unification of East and West for foundation of mutual trust (remarks), 1626
- United States-European relations, study and reevaluation, hearings, 13863
- United States troop deployment to, express sense of Senate, hearings, 13863
- west coast, lights and fog signals, list, changes, 1538, 5333, 11643, 18100
- Western—
 - gas, characteristics and distribution, 16102
 - infant and perinatal mortality in 6 countries, comparison with U.S., 8659
 - manpower utilization at military installations, report, 9133
 - market for gas equipment, 16102
 - market profiles, 13462
 - radioisotopes as power sources, 15416
 - strategic importance, 5614
- European chafers, *see* Beetles.
- European corn borer, how to control, 10168
- European Economic Community:
 - agricultural trade, 1959-64, statistical reference, 2174
- Common Market, grain statistics, compilation, 16642
- grain-livestock economy, 1951-63, historical review, 2176
- growth in demand for feed grains, projection to 1970 and 1975 in relation to consumption, 13949
- import demand for oilseeds and oilseed products, summary, 4701
- European Migration, Intergovernmental Committee for, *see* Intergovernmental Committee for European Migration.
- European Space Research Organization, satellite telemetry/telecommand station near Fairbanks, Alaska, agreement, 11836
- European War, 1914-18:
 - battle art, exhibition, 8680
 - Marine Corps, annotated bibliography, 14310
 - veterans, *see* Veterans.
- Euryhaline copepod genus *Eurytemora* in fresh and brackish waters of Cape Thompson region, Chukchi Sea, Alaska, 6943
- Eurytemora*, euryhaline copepod genus, Cape Thompson region, Alaska, 6943
- Eurytoma, *see* Chalcid flies.
- Eusceptis Hübner, American genus of noctuid moths, 5306
- Eutectics, vacuum chamber remotely sealed by eutectic metal, 11390
- Euxenite, metal values, extraction by fusion with ammonium sulfate or ammonium bisulfate, 6685

Evacuation:

- aeromedical—
 - patients' views of patient care, 17350
 - physician's role, 4173
- emergency test of crashed L-1649, 10321
- Evaluating winds aloft by simplified field technique, 4838
- Evaluation charts on delay in administrative proceedings, 4647
- Evaluation of Vocational Potential Committee, Institute of Rehabilitation Services, report, 11892
- Evans, Dallas E., Venus and Mars nominal natural environment for advanced manned planetary mission programs, 8436
- Evans, Joanne M., relief, 13623
- Evans, Walter F.:
 - housing in Ghana, 6418
 - housing in Liberia, 6421
- Evansville, Ind., population, special census, 8954
- Evaporant feed device facilitates flash vapor deposition process in vacuum, 16955
- Evaporated milk, *see* Milk.
- Evaporation:
 - assessment in nucleate boiling, 9907
 - fluid-bed fluoride volatility process recovers uranium from spent uranium alloy fuels, 9793
 - overflow system for standard Weather Bureau evaporation pan, 2318
 - rates, of carbide cathodes of uranium, zirconium, and solid solutions investigated, 6532
 - reservoirs, reduction, effects of monolayers on insects, etc., 7102
 - Salton Sea, techniques used to measure, 9572
 - studies (series), 9572
 - water from soil, effect of sample size and environmental conditions, 10
- Evaporators:
 - horizontal spray film, research and development, 6440
 - marine, thermal distillation of sea water, fundamentals of theory, 17390
- Evapotranspiration:
 - estimating potential from climatological data in arid and subhumid environments, 17831
 - studies (series), 6397
- Evensen, David A., nonlinear flexural vibrations of thin-walled circular cylinders, 14482
- Evenson, R. E., hydrologic inventory of Lompoc subarea, Santa Ynez River basin, Santa Barbara County, Calif., 1117
- Everett, Floyd D., domestic reserves and potential sources of ores containing copper, lead, zinc, and associated metals, 8340
- Everett, Wash., area wage survey, 6609
- Everhart, Philip E., boundary-layer transition on cooled 7.5° total-angle cone at Mach 10, 18021
- Every girl needs chance to become somebody, 4686
- Evidence:
 - National Advisory Commission on Civil Disorders investigations, compulsory testimony and production of evidence by witnesses summoned, law, 13541
 - permit appeal by U.S. from orders for return of seized property and to suppress evidence, report, 14990
 - refusal to testify, compelling of testimony and granting immunity in certain crimes, amend U.S. code—
 - hearings, 12366
 - report, 12377
 - testimony by Federal Aviation Agency employees and production of records in legal proceedings, FAA regulations, 11004-5
- Even, Victor H., Federal probation, journal of correctional philosophy and practice, 3309

- Evolution:**
Labidocera jollae group, etc., characteristics, 8544
 rodent ethology, with emphasis on evolution of social behavior, comparative study, 15603
- Examinations:**
 cybernetic testing, 8864
 Russian 10-year school, final examinations, 1002
see also Civil service—also type or subjects of examinations.
- Examiners, see** Budget examiners—Hearing examiners—Transportation tariff examiners.
- Excavating machinery, equipment, Federal item identification guides for supply cataloging, supplements, 3285**
 excellence in design, 7894
- Excess property, see** Surplus property.
- Exchanges (international), see** International exchanges.
- Excise taxes:**
 Federal excise tax data, 10687
 interest equalization tax on foreign securities, extend act—
 digest of testimony and statements, 9176
 hearings, 6047
 legislative histories of P.L. 90-59 and P.L. 89-243, 15052
 IRS looseleaf regulations system, 1145, 3528, 4917, 8219, 11222, 15334
 postpone certain reductions—
 hearings, 17614
 message from the President, 16154
see also names of items taxed.
- Excitation:**
 local and irradiating, photodiffusion in nerve and muscle cells under effect of, USSR study, 14259
 longitudinal, response of liquid propellant multistage launch vehicle, 11522
 maximum response of simple beams to random excitation, 14381
 vital staining of muscle tissue, USSR study, 14255
- Executions, see** Capital punishment.
- Executive departments, see** Government of offices—Government supplies.
- Executive inventory, questions and answers for executives, 10419**
- Executive Manpower Bureau, pamphlet, 10419**
- Executive Office of the President:**
 appropriations, 1967, supplemental, hearings, 2040
 appropriations, 1968—
 hearings, 6027, 10806
 law, 13529
 reports, 9097, 10791, 13658
- Executive orders, see** subjects.
- Executive Papers, Joint Committee on Disposition of, reports, 705, 7695, 9102, 10553, 10577, 12260, 13628, 13649, 13677, 14958, 16241**
- Executives:**
 definition under fair labor standards act, 1665
 development programs in public service, university-sponsored, 2193
 opportunity knocks at executive suite (remarks), 17044
 selection and development program, IRS, 1141, 9595
see also Service Corps of Retired Executives.
- Exemplary Rehabilitation Certificates:**
 award to individuals discharged from Armed Forces under conditions other than honorable, etc., authorize, amend U.S. Code—
 law, 404
 reports, 626, 908
- Exercise:**
 maximum exercise tolerance, ergometer, biomedical monitoring during dynamic stress testing, 7361
 muscular, and intermittent venous occlusion, possible preventive effects on cardiovascular deconditioning after bed recumbency, study, 8408
 physical exertion, effect on human organism, USSR study, 12689
- Exfoliative cytology, see** Cytology.
- Exhaust nozzles, see** Nozzles.
- Exhaust plumes, surface heating rates and pressures resulting from hot exhaust gases, 6795**
- Exhibitions:**
 growth of United States, 1640-1851, History and Technology Museum, Smithsonian Institution, 18203
 Smithsonian Institution, Dürer and his time, catalogue and notes, 10079
 U.S. commercial, how to photograph, 7566
see also subject.
- Exhibits, Federal exploration of American West, 8516**
- Eximbank, see** Export-Import Bank of Washington.
- Exira, Iowa:**
 Nishnabotna River in vicinity, engineer report—
 departmental edition, 13980
 document edition, 13556
- Expansion (thermal):**
 glass formulation, with high coefficient of thermal expansion, 8400
 thermodynamic properties related to expansion of 2-component gas, 11449
- Expansion plugs, see** Plugs.
- Expeditions, Antarctic, see** Antarctic regions.
- Expenditures:**
 consumer expenditures and income, 1960-61, tables—
 rural farm, 2522
 rural nonfarm areas, 2493
 urban, 2492
 urban and rural, 2494
 Education and Labor Committee, House, investigation—
 hearings, 4544
 report, 4517
 nursing in small health agencies, procedures using work units 5437
 residential properties, additions, alterations, etc., 5850
see also names of departments etc.—also subject for which expenditures are made.
- Expenditures of United States Government:**
 combined statement, 5611
 monthly statement, 3580
- Experimental medicine, see** Medicine.
- Experimental scaling study of fluid amplifier elements, 9850**
- Experiments and experimentation:**
 design in Army research, development and testing, conference proceedings, 96
 designs of experiments as telescoping sequences of blocks for optimum seeking (as alloy development), 14490
 radioisotope experiments in high school biology, bibliography, 3797
 repeated measurements on experimental units in 2-way classification, 7348
 sensitivity experiments, computer program simulates, 11439
- Exploding wires, bridge device, pulse technique provides more accurate checkout, 2672**
- Exploration of Sea, International Council, see** International Council for Exploration of Sea.
- Explorations:**
 American West before 1880, exhibits of maps, surveys, etc., 8516

Explorations—Continued

and use of outer space, including moon and other celestial bodies, treaty on principles governing activities of States, analysis and background data, 7791

ocean potential, USSR study, 1165

see also Outer space.

Explorer, see Satellites.

Explosion puffed dehydrated potatoes, estimated cost of commercial production, 8808

Explosions:

effect on snow structures, 99

emergency escape system, 6796

fire and explosion prevention and protection, 8295

ordnance plant in Bowie County, Tex., settlement of claims—

law, 12158

reports, 637, 801

see also Nuclear explosions.

Explosive guns, feasibility study, 8410

Explosives:

and blasting agents, Industrial, in United States, 1966 consumption, 15463

and conditions required for safe storage, USSR study, 1193

condensed, projectile impact initiation, 14343

explosive-loaded items, safety precautions, military standard, 13923

Federal item identification guides for supply cataloging, supplements, 2293

gap-sensitivity methods, 9791

in rock, performance, methods for studying, 5124

nitrogen dioxide in fumes from, rapid colorimetric method for field determination, 14338

performance, effect of charge diameter, 2570

publications, price list, 2803

sensitivity testing, combination statistical design, 9754

sound transmission of explosive shots, effect of weather, 9773

transporting, Navy driver's handbook, 7009

Expo 67:

customs tips, 9358

immigration inspection, what you should know at time of entry to U.S. after visit, 11213

universal and international exhibition (remarks), 11697

Exponential curves, see Mathematics.

Export control act of 1949, see Exports.

Export-Import Bank of Washington:

act of 1945, amend, hearing, 15150

annual report, 1034

appropriations, 1967, law, 405

appropriations, 1968, hearings, 15014

audit reports, 8130, 9070

change name, extend, etc.—

hearings, 10642, 12399, 15150, 16314, 16317

reports, 10597, 15095

export financing, how Eximbank credits, guarantees, FCIA insurance work to increase export profits, 6232

financing in credit sales of defense articles, participation, hearing, 15150

general information, 6233

regulations for principals and agents, 1025

Export trade, see Commerce.

Exports:

agricultural policy (address), 1677

airworthiness approval procedures, 8044

by air, foreign trade reports, 3358

comprehensive schedule, 3127, 8223

control, quarterly report, 3247

crops, surplus removal, statutes, compilation, 7262

current export bulletin, 3167

Exports—Continued

expansion—

Alabama (address), 10449

past, present and future (address), 11228

programs (remarks), 1949, 10466

regional products, hearings, 17678

export promotion, Action Committee on

Export Promotion, report, 7564

export success story (periodical), 3252

financing, Export-Import Bank, 6232

foreign trade—

airborne, summary reports, monthly, 3995

summary reports, monthly, 3998-4000, 4003, 4005, 10399

foreign trade reports, 3354-55, 3357, 8959, 12087-89

annual, 8961

full prosperity and progress (remarks), 240

impact on American labor, hearings, 6034

licenses approved and reexportations authorized, list, 3250

manufactured products, 1966, survey of origin, current industrial reports, 17436

manufacturers' sales and orders, current industrial reports, 3169

market bulletin, 4921

mutual defense assistance control act of 1951 (Battle act), report, 7147

National and Regional Expansion Councils, directory, 16099

President's E award for export excellence, presentation to—

A. R. Wood Manufacturing Co. (remarks), 4448

Dole Company (remarks), 7295

Panelfab International (remarks), 1949

York-Shibley, Inc., 4447

privileges, denial and probation orders currently in effect, 11227

Rhodesian transaction, regulations and related documents, 11885

sales promotion announcements, 3251

sales to countries in default in payment of their obligations to U.S., applicability of Johnson act, opinion of Attorney General, 16789

statistical classification, schedule B, 1857, 3849, 5895-96, 7474

Philippine requirement regarding ship-

pers' export declarations, 5897

taxation, action Committee on Taxation, recommendations, status report, 9021

total trade, summary reports, monthly, 4003

trade by commodity, summary reports, monthly, 3999

trade by country, summary reports, monthly, 4000

U.S. to Saudi Arabia, farm products, supply and demand projections to 1975, implications, 7886

United States trade with major world areas, 10460

working day and seasonal adjustment factors and months for cyclical dominance (MCD), 4361

see also Commerce—also names or classes of articles exported.

Exposure value (EV) system expanded to include filter factors and transmittance, 6765

Express, see Letters.

Extended care facility manual, 5504, 7120

Extension and Continuing Education, National Advisory Council on, see National Advisory Council on Extension and Continuing Education.

Extension Service, see Federal Extension Service.

Extension Service, Cooperative, see Cooperative Extension Service.

Extension work, agricultural, using visuals in programs, 16369

- Extraction (chemistry):
determination of gold by solvent extraction and atomic absorption, 16688
euxenite metal values by fusion with ammonium sulfate or ammonium bisulfate, 6685
Extracts, *see* substances from which extracts are made.
Extradition, convention with Israel, correction of text, agreement, 13153
Extrapolation, Richardson's, application to numerical evaluation of sonic-boom integrals, 6859
Extrasensory perception:
report on parapsychology, USSR study, 9659
wonder and mystery of psychics, USSR study, 6528
Extravehicular operations, *see* Outer space.
Eyeglasses, *see* Spectacles.
Eyes:
chorioretinal lesions produced by thermal radiation, study, 10231
disorders, causes, etc., 18177
eye-movements and subjective turning responses to angular acceleration, 15980
nystagmic eye movements, influence on adaptation of interruption with opposing stimuli, 7447
oculometer developed to control machine by eye, etc., 14376
ophthalmoscopy in indirect light, USSR study, 12688
protection, occupational safety aid, 9700
rapid-eye-movement sleep deprivation, effects, 15900
recovery of dark adaptation, effect of wavelength and bandwidth of red light, 14318
research, NINDB, 8631
Eyre, Dorothy, relief, 537
Eyster, H. Clyde, mineral nutrient requirements of *Chlorella sorokiniana* in continuous pure culture, 14779
- F**
- F-4, *see* Fighter planes.
F-106B, *see* Fighter planes.
F-111B, *see* Fighter planes.
F.A.A., *see* Federal Aviation Administration—Federal Aviation Agency.
F.C.C., *see* Federal Communications Commission.
F.C.I.A., *see* Foreign Credit Insurance Association.
F.C.P.C., *see* Federal Committee on Pest Control.
F.C.S., *see* Farmer Cooperative Service.
F.D.A., *see* Food and Drug Administration.
F.H.A., *see* Farmers Home Administration—Federal Housing Administration.
F.N.M.A., *see* Federal National Mortgage Association.
F.P.C.R. series, 4770-71
F.P.C. S series, 2247, 6262-63, 7973, 11017, 12508, 17760
FAA, *see* Federal Aviation Administration—Federal Aviation Agency.
FAA aviation news (periodical), 9440
Faber, Fred L., inventory of market news reports for eggs, 6173
Faber, John H., fly ash utilization, proceedings of symposium, 14329
Fabricated materials:
large seals fabricated from small segments reduce procurement lead time, 1461
nonmetallic, Federal item identification guides for supply cataloging, supplements, 3291
Fabrication, *see* names of materials fabricated..
Fabrics, *see* Textiles—also names of fabrics.
- Fabuss, Bela M.:
investigation of calcium sulfate precipitation, final report, 14198
thermophysical properties of saline water systems, 12643
Face, *see* Head.
Facial tissue, suitability of Appalachian woods for sanitary tissue, 8100
Facilities handbook series, 13053
Facility operation, 7371
Facility outage and equipment failure report (RIS SM 6040-5), 10983
Fact book of U.S. Agriculture, 17324
Factories:
factory mutuals, a way of doing (address), 12129
intrafactory mechanism for economic reform, USSR study, 4941
labor turnover, monthly release, 3259
size of establishments, 1963 census of manufactures, 4274
Factors contributing to increased resistance of the organism, 11277
Facts about America, 7491
Faculty (schools):
listens to students' serious evaluation of Lake Oswego High School, 17726
staffing American colleges and universities, 7913
teaching faculty in universities and 4-year colleges, spring 1963, general characteristics, etc., survey, 9413
Fading (radio), *see* Radio communication.
Faeth, Paul A.:
effect of optical radiations, etc., on trapping spectrum of cadmium sulfide, 14455
photodesorption of oxygen from nickel oxide powder, 16995
Fagen, Castle H., evaluation of laminated elastomeric bearings in UH-1 helicopter tail rotor, 17389
Failure reporting and management techniques in Surveyor program, 14406
Fair, Gale, exact semiclassical theory for galvanomagnetic effects in metals, 15581
Fair employment practices, *see* Discrimination in employment.
Fair labor standards act, *see* Labor standards.
Fair labor standards foreign trade act, *see* Labor standards.
Fair packaging and labeling act, *see* Packaging.
Fairbanks, Alaska:
flood of Aug. 1967, report, 17675
geology of permafrost tunnel, 17378
satellite telemetry/telecommand station, agreement with European Space Research Organization, 11836
Fairchild, John C., correlation of littoral transport with wave energy along shores of New York and New Jersey, 7925
Fairplay, Mount, geology of area, 12599
Fairs:
Budapest International Fair, displays, 12687
mobile trade fairs, guide to prospective operators, 4922
Fairweather (ocean survey ship):
launching (remarks), 7583
Fajardo-Carpio, Arturo V., relief, 551
Falb, Peter L., decoupling in design and synthesis of multivariable control systems, 18046
Fall armyworm, *see* Armyworms.
Fall out, *see* Radioactivity.
Fall River County, S. Dak.:
Cascade Springs quadrangle, geology, 14168
Hot Springs quadrangle, geology, 12597
Fallout, *see* Radioactivity.
Falls, trips, slips, and falls, occupational safety aid, 9708

INDEX 1967

Families:

- aid to families with dependent children—
 - Cleveland and Cuyahoga County, Ohio, study, 4386
 - Gary, Ind., 13435
 - protective payments, report, 9060
 - tables on percent of basic needs met, 17195
 - American families in poverty, fact sheet, 5600
 - by type, 1966, population characteristics, 16008
 - characteristics of metropolitan population, 10360
 - children of deprivation, changing course of familial retardation, 8966
 - family economics review, 3260
 - family food plan, sample menus and food list for week based on USDA economy plan, 10157
 - family planning—
 - community action for health, 2167
 - report, 1136
 - family status, Mar. 1966, population characteristics, 4350
 - food stockpile for survival, 1697
 - guard against accidents, 18163
 - health interview survey, characteristics and health measures reported, 7097
 - improved farm worker housing, handbook guide, 17728
 - improving opportunities of low-income rural families, 5674
 - income—
 - average, 16026
 - trends, 16035
 - working wives, their contribution, 11914
 - large family-rent subsidy demonstration program report, 5295
 - low and moderate income—
 - new programs in health, education, and welfare, 8193
 - rental and cooperative housing, FHA mortgage insurance, 12624
 - low-income—
 - helping through parent education, survey of research, 10402
 - leasing program administered by local housing authorities, 2382, 11199
 - rent supplement program, general information, 4900, 6422
 - Spanish-surname population of Southwest, characteristics, 9389
 - upward bound, 1967-68, program to help youth achieve college education, policy guidelines, etc., 9385
 - migrant agricultural workers, housing, guide, 11924
 - Negro in the West, social and economic condition, 15453
 - personal and family survival, course, announcement, 16507
 - poor, women's earning in, fact sheet, 7238
 - population characteristics, 7485
 - projections of number, 1967-85, population estimates, 5882
 - research relating to children, studies in progress, 8967
 - retired serviceman's family protection plan, 7375
 - social security information for young families, 15742
 - urban, clothing expenditures per member by sex and age, 14303
- Family farms, *see* Farms.
- Family life education, *see* Sex instruction.
- Family of Man award, accepted by W. Willard Wirtz, Secretary of Labor, on behalf of the President (remarks), 1353
- Family planning, *see* Birth control.
- Fancy catfish, 8025
- Fankhouser, James C., thunderstorm circulation and turbulence studies from aircraft and radar data, 10966

Fanning, John H.:

- addresses—
 - Apr. 17, 1967, 9949
 - July 7, 1967, 15596
- Fans, lift fan studies, 11402
- see also* Electric fans—Mechanical fans—Turbine fans.
- Far East, *see* East (Far East).
- Fara, Teresina, relief, 13606
- Farber, Eugene, overtaking and passing on 2-lane rural highways, literature review, 14641
- Farber, Florence, how government measures unemployment, 15437
- Fares, *see* Motorbuses.
- Farinas, Luis O. Martinez-, *see* Martinez-Farinas, Luis O.
- Farley, T. A., space sciences, 8433
- Farm animals, *see* Livestock.
- Farm buildings:
 - building plans—
 - boat landing, 39
 - broiler house, pole construction, 40
 - cabin, concrete masonry construction, 5664
 - incinerator, concrete block, 4124
 - irrigation pipe trailer, 1707
 - 1½ story dwelling, 42
 - portable calf pens, 5659
 - swine feeder, 15865
 - 3-bedroom rural dwelling, 5662, 13232
 - 3-bedroom tenant house, 5663
 - 2-bedroom farm dwelling, 5658
 - vacation house, 8837
 - cooperative farm building plan exchange (series), 39-40, 1707, 4124-25, 5658-59, 5661-64, 8837, 15865
 - fire resistant construction, 15849
 - foundations, 17310
 - houses and equipment for laying hens, 10183
 - roofing, general information, 13223
 - wood products for, selection and use, 7264
- Farm Center, World, *see* World Farm Center.
- Farm credit, *see* Agricultural credit.
- Farm Credit Administration:
 - appropriations, 1968—
 - hearings, 10629, 12397
 - law, 17558
 - reports, 10620, 13815
 - audit reports, 4862, 5988
 - circulars, 12484, 16544
 - report, 1965-66—
 - departmental edition, 9437
 - document edition, 9051
- Farm employees, *see* Farm labor.
- Farm equipment, *see* Farm implements and machinery.
- Farm families, *see* Families.
- Farm food marketing bill and its components, 6170
- Farm implements and machinery:
 - current industrial reports, 3170, 5859, 15995
 - equipment for applying soil pesticides, 14735
 - Federal item identification guides for supply cataloging, supplements, 8286
 - intrafactory mechanism for economic reform, USSR study, 4941
 - machines and equipment on farms with related data, 1964 and 1959, report, 10202
 - planning replacements, 4115
 - see also* Tractors.
- Farm income, *see* Income.
- Farm index (periodical), 3262
- Farm labor:
 - developments, 3264
 - employment and wage supplement, 3265
 - employer-employee relationship in agriculture sharecropping arrangements or landlord-tenant agreements under fair labor standards act, guide, 13176

Farm Labor—Continued

extend provisions of National labor relations act to agricultural employees, hearings, 15025
 good farm worker housing is good farm business, 2194
 hired working force of 1966, statistical report, 16487
 improved housing for workers, handbook guide, 17728
 interstate, contractors, registration, general information, 6203
 jobs from Gulf to Great Lakes, guide, 6202
 migratory agricultural workers—
 countries having 100 or more, 2811
 family housing, guide, 11924
 project grants for services—
 hearings, 15172, 17600
 law, 16144
 reports, 14972, 16366
 6 steps forward, 17186
 migratory, problem in U.S., report, 7784
 minors employed in agriculture under fair labor standards act, as amended in 1966, what crew leaders, etc., should know, 10132
 monthly report, 3263
 movement between farm and nonfarm sectors, Tennessee Valley, 17262
 on-the-farm training under cold war GI program—
 hearings, 10859
 law, 16133
 report, 10792
 seasonal work patterns of hired farm working force, 984
 supplement, 9387
 service programs to cope with rural change (remarks), 6204
 situation in selected States, 7882
 skills and earning power, improving, role of technical schools, case study, 5040
 slides and films, employment security, 12472
 traveler/el viajero, quarterly newsletter for migrant and seasonal farm workers, 7879
 USSR, protective masks available for agricultural workers, description, 2457
 Farm loans, *see* Agricultural credit.
 Farm machinery, *see* Farm implements and machinery.
 Farm management, *see* Farms.
 Farm mortgages, *see* Mortgages.
 Farm prices, *see* Prices.
 Farm products, *see* Agricultural products.
 Farm silos, 5656
 Farm supply cooperatives, *see* Farmer's cooperative organizations.
 Farm work, *see* Farm labor.
 Farm workers, *see* Farm labor.
 Farmer, Evelyn M., Department of Commerce publications, 1965 supplement, 4454
 Farmer, Robert E., jr., gibberellin-induced growth of dormant sweetgum, 8093
 Farmer Cooperative Service:
 appropriations, 1968, hearings, 10629, 12397
 FCS educational aid, 2229
 FCS educational circulars, 2230, 15234
 general reports, 2231, 7943-44, 12485, 15235, 16545
 information series, 2232
Farmers:
 bargaining power (remarks), 10197, 13240
 better income for farmers, balanced abundance for consumers, 11938
 checklist for pesticide safety, 5668
 expenditures for pesticides, 6171
 farm operator level-of-living indexes for counties of United States, 13250
 farm operators in Tennessee Valley, multiple job holdings, 17262

Farmers—Continued

farmers unions play important role in development of rural America (address), 4095
 important role in new programs (address), 10159
 increased material interest and improved wages for collective farmers, USSR study, 2475
 insurance facts, 11928
 parity returns position, report, 13724
 print as Senate document, report, 15100
 publications, list, 8206
 self-employed—
 are you getting your social security credit, 2863, 18210
 reporting income for social security, special information, 1605
 social security information, 15741
 tax deductions from gross income for assessments for depreciable property levied by soil or water conservation or drainage districts, report, 7690
 tax guide, 1967 edition, 1142
 unrest, and what they want (remarks), 10196
 ways they do business, 2229
 wide gap between food prices and prices received (statement), 52
 see also Farmers' cooperative organizations.
 Farmers' bulletins, 1685-93, 4103-6, 5625-28, 7270-71, 8825-30, 10164-170, 11928-929, 13221-223, 14739-742, 15847-849, 17309-312
 Farmers' cooperative organizations:
 agricultural transportation, issuance of certificates of exemption on application and proof of eligibility, hearings, 947
 collective bargaining groups for poultry feed prices, 7944
 control unfair trade practices affecting producers of agricultural products, hearings, 10800
 cooperatives and rural-urban balance (remarks), 13220
 co-ops must use their strong bargaining power for better grain prices (remarks), 10196
 discrimination against members, report, 15086
 exempt from FPC jurisdiction, hearings, 16401
 grain elevators, inventory control and valuation practices, 15235
 how cooperatives grow, 12484
 income tax returns, 1963, supplemental report, 2412
 news for farmer cooperatives, 3631
 organizing and conducting cooperatives' annual meetings, 15234
 owning or leasing of covered hopper cars, 16545
 regional cooperatives handling supplies, 1964 and 1965, handbook, 7943
 statistics, 1964-65 survey, 12485
 transportation factors in marketing soybeans, cottonseed and their products, 16546
 two supply cooperatives serving low-income farmers, analysis in Appalachia, 2231
 ways farmers do business, 2229
 Farmers Home Administration:
 appropriations, 1968, hearings, 10629, 12397
 career opportunities, building new rural America, 1036
 consolidated act of 1961, amend—
 hearings, 15145
 report, 15090
 debtors' accounts, effort to collect or otherwise settle, GAO review, 4879

Farmers Home Administration—Continued
 efforts to have borrowers refinance their
 Government loans when private or co-
 operative credit becomes available, GAO
 review, 1103
 farm mortgage lending experience, 9395
 insured loans—
 increase annual ceiling, hearings, 15145
 information for lenders, 4132
 land conveyance to Skyline Churches
 Cemetery, 288
 loan assistance to grazing associations,
 1717
 loans for rental and co-op housing for
 senior citizens, etc., in rural area, 10194
 loans for water development and soil con-
 servation, questions and answers, 4131
 operation of opportunity loan program in
 rural America, story in pictures and
 words, 5674
 opportunity loan program, general infor-
 mation, 8839
 rural housing loans, 10188
 strengthens family farms, etc., 5670
 valueless liens, etc., release, report, 15090
 watershed loan program, questions and
 answers, 4129
Farmhouses:
 farm building plans—
 cabin, concrete masonry construction,
 5664
 1½ story dwelling, 42
 3-bedroom rural dwelling, 5662, 13232
 3-bedroom tenant house, 5663
 2-bedroom farm dwelling, 5658
Farming, see Agriculture—Dry farming.
Farms:
 auxiliary, private, economic role, USSR
 study, 5015
 banking and farm finance, present chal-
 lenge (remarks), 6298
 beef slaughtering, cutting, and processing,
 4106
 census of agriculture, 5903-4, 7499-7510,
 8962-65, 10388-398, 12091-92, 13404-
 412, 14837-839, 16036-40, 17442
 commercial slaughter, meat, and lard
 production, etc., 11879
 cost situation, 1967 outlook issue, 994
 costs and returns, 986, 13943, 16488-490
 commercial cotton farms, 986
 commercial dairy farms, northeast and
 midwest, 16488
 commercial egg-producing farms, New
 Jersey, 16489
 commercial tobacco farms, Coastal
 Plain, North Carolina, 13943
 commercial tobacco-livestock farms,
 Bluegrass area and Pennyroyal area,
 Ky.-Tenn., 16490
 cropland adjustment program, eligibility
 of farm acquired to replace farm trans-
 ferred to agency having right of do-
 main, report, 15087
 differential assessment of farmland near
 cities, experience in Maryland, 17712
 dryland, in Great Plains, organizing and
 operating, regional research project
 GP-2, summary, 7883
 economies of size, theory, analytical pro-
 cedures, etc., 6172
 electric water pumps, 10176
 family, Farmers Home Administration
 strengthens, 5670
 farm income programs (remarks), 10198
 farm policy for the future (address),
 7269
 farm real-estate credit, analysis of bor-
 rowers and lenders, 2170
 father-son operating agreements, 10166
 grain, comparison of costs of storing on
 farm with rates paid for such storage,
 Commodity Credit Corporation, GAO
 report, 2342
 growth and capital accumulation in roll-
 ing plains of Oklahoma and Texas,
 polyperiod analysis, 17336

Farms—Continued
 increasing income through grazing associ-
 ations, 1717
 irrigated, mosquito prevention, 7261
 irrigation systems, planning, 14652
 livestock, raising on small farm, 1692
 machine and equipment on farms with re-
 lated data, 1964 and 1959, report, 10202
 management, publications, price list, 7055
 management supervisor, examination an-
 nouncement, amdt., 12107
 milk cows on farms, production per cow,
 etc., 5683
 population, 1966, United States, 12084
 population, series Census ERS, 12084
 production and efficiency changes, sum-
 mary report, 13247
 production, effects of increased incentives,
 USSR, 2468
 programs, operation and administration,
 problems and complaints, hearings,
 10799
 prospector, cowhand, and sodbuster, his-
 toric places associated with farming,
 etc., in trans-Mississippi West frontier,
 13008
 real estate market developments, 12457
 rent determination problem, 17311
 rope, types, selection, etc., and prepara-
 tion for use on farm, 4103
 safety week, keep your sights on safety,
 safe use of firearms, facts, 10187
 taxation on rural-urban fringe, summary
 of State preferential assessment ac-
 tivity, 16486
 taxes, teaching program, 8221
 vegetable gardens, planning, planting, etc.,
 8831
 wheat storage, insect control, 4112
 where and how to get a farm, questions and
 answers, 17321
*see also Electricity—also headings be-
 ginning Agricultural—Farm.*
Farnes, Phillip E.:
 water supply outlook and Federal-State-
 private cooperative snow surveys for
 Montana, 4047
 water supply outlook for Montana, 18217
Farnsworth Lantern, see Color perception.
**Farrar, J., nucleation and growth of ice
 crystals, 6442**
**Farrell, Edward J., information limits of
 scanning optical systems, 5173**
**FAS-M series, 1084, 2286, 4816-17, 8047-
 48, 9524-25, 11097-99, 12565, 14076,
 16641-643, 17792**
Fascenelli, Frederick W.:
 biomedical monitoring during dynamic
 stress testing—
 Flack test, 7360
 instrumentation and normal values,
 7343
 Levy hypoxia test, 7344
 maximum exercise tolerance, ergometer,
 7361
 tilt table orthostatic tolerance test,
 7362
**Fashion, origin and early history of the
 fashion plate, 14531**
Fast announcement (periodical), 3266
**Fast announcement service, Clearinghouse
 for Federal Scientific and Technical In-
 formation, 10437**
Fast neutrons, see Neutrons.
Fast reactors, see Reactors (atomic).
Fasteners, see Fastenings.
Fastenings:
 fasteners, test methods, military standard,
 15198
 potting compound for honeycomb sand-
 wich fasteners, depth control, study,
 6834
 threaded fasteners, Federal item identif-
 ication guide, 15187
 zippers, replacing, 7288
Fat, see Fats.

Father-son agreements for operating farms, 10166
 Father's Day, designate, report, 10771
 Fatigue, failure, aircraft structures, 17062
 Fatigue of materials, see Strains and stresses.
Fats:
 body composition of military population, Ft. Carson, 1963, report, 120
 current industrial reports, 3169, 5860, 7478
 fats and oils situation, 3267
 fatty acids, expanding market for fats and oils, 10921
 foreign agriculture circulars, 3345
 hydrazine effect on fat transport as affected by blood glucose concentration, 65
 outlook (talk), 4704
 prospects for fats and oils and fatty acid industry (talk), 12460
 U.S. fats and oils, statistics, 4144
Fats acids:
 expanding market for fats and oils, 10921
 prospects for fats and oils and fatty acid industry (talk), 12460
 Faul, Henry, nuclear clocks, 7442
 Faull, G. F. Valdés, see Valdés-Faull, G.F.
 Faulkner, Rafford L., remarks, May 30, 1967, 10316
Faults (geology):
 Enos Creek detachment thrust fault, Late Cretaceous and Cenozoic geology, 2360
 zoogeographic evidence for late Tertiary lateral slip on San Andreas fault, Calif., 17827
Fauna, see Corals.
 Faust, George T., solution studies of chrysothide, etc., 8160
 Fay, Joseph L., lectures, Aug. 1964, 15737
 Fay, William T., paper, Aug. 14-15, 1966, 4304
 Fayette County, W. Va., coal, carbonizing properties, 2576
FCC, see Federal Communications Commission.
FCIA, see Foreign Credit Insurance Association.
FCPC, see Federal Committee on Pest Control.
 FCR series, 13943, 16488-490
 FCS, see Farmer Cooperative Service.
 FDA, see Food and Drug Administration.
 FDA papers (periodical), 4814
 FDA poster series, 16639
FDIC, see Federal Deposit Insurance Corporation.
FDL- (series), 4802
Fear, Cape:
 to North Carolina-South Carolina State line, hurricane survey, engineer report—
 departmental edition, 2205
 document edition, 2005
Feather, Milton S., preparation and purification of cellulose I-C14, 14087
Feces:
 enteric microbial flora of man in oxygen-hellum atmosphere, 79
 fecal coliforms in environment, sanitary significance, 6343
 human, clostridia recovery, development of method, 4182
 preparation for bomb calorimetry, improved method, 1742
Fecundity:
 activities of Department of Health, Education, and Welfare Department, report on family planning, 1136
 analysis of fertility assumptions for OASDI long-range level-cost estimates, 15736
 fertility and educational attainment, Puerto Rico, 15715
 quantitative measures for analysis of fertility series, 7498

Fedde, Gerhard F., annotated bibliography of literature (1792-1962) on elm spanworm, *Ennomos subsignarius* (Hbn.), 2287
 Federal agencies, see Government offices.
 Federal aid, see Grants-in-aid.
 Federal aid programs, see Roads and highways.
 Federal air pollution program, 5431
 Federal approach to multiple handicapped, 18142
Federal Aviation Administration:
 aeromedical research facilities, Oklahoma City, Okla., acquisition and use, GAO review, 8139
 air traffic activity, reports, 1037, 6235, 16550
 airmen, other than flight crewmembers, certification, Federal aviation regulations, 2235
 airworthiness directives—
 large aircraft, summary, 3917, 12502, 17748
 periodical, 3256, 9439
 small aircraft, summary, 3918, 11007, 16562
 annual report, 10985
 bibliographic list, 4753
 budget, 1968, amendments, 16350
 contractions used in air traffic control, etc., handbook, change, 5716, 13273
 coordination between procurement of technical equipment and its ultimate utilization, GAO review, 2346
 definitions and abbreviations, Federal aviation regulations, 1038, 9441, 12488, 14000
 enforcement procedures, regulations, 10986, 14001, 17743
 establish—
 law, 389
 report, 906
 FAA handbook series, 2233, 4754-55, 6236, 7946, 10979-983, 14012
 Federal aviation regulations, 1038-41, 2234-37, 3917-18, 4757-59, 6238-41, 7947-51, 9441-44, 10986-11005, 12488-498, 14000-11, 15237-238, 16551-557, 17743-746
 status, 2238, 6242, 12501
 fees for copying and certifying FAA records, FAA regulations, 11004
 handbook series, 16558-560
 information services, handbook, 10979
 maintenance bulletins, handbook, 10982
 maintenance certification procedures, handbook, 10981
 organization, headquarters, handbook, 16538
 participation in cost of airport projects involving donated land, GAO review, 15300
 procurements, and costs of dedication ceremonies in Pacific region, GAO review, 11155
 publications, lists, 6237, 7059, 10984
 recognition and awards program, FAA handbook, 4754
 representatives of administrator, FAA regulations, 11004
 rule making procedures, FAA regulations, 1039, 12489
 statistical handbook of aviation, 4750
 technical standard order authorizations, regulations, 9443, 17744
 use of communications systems, FAA regulations, 11004
 violation investigation and reporting, handbook, 2233
Federal Aviation Agency:
 transfer—
 law, 389
 report, 906
 see also Federal Aviation Administration.
 Federal buildings, see Public buildings.
 Federal career service at your service, 7546

INDEX 1967

- Federal City College :
 establish in D.C.—
 law, 495
 report, 693
- Federal civil defense guides, 190-195, 4379-81, 5912-13, 8977-79, 10405-406, 13421-423, 14842
- Federal civil service, *see* Civil service.
- Federal Coal Mine Safety Board of Review :
 appropriations, 1967, supplemental, hearings, 2040
 appropriations, 1968—
 hearings, 7734
 law, 12179
 reports, 10560, 10766
 member, nomination of Dennis L. McElroy, hearing, 10863
- Federal Committee on Pest Control :
 pesticides monitoring journal (periodical), 11008
 what it is, what it does, 9449
- Federal Communications Commission :
 actions in docket cases, reports, 3269
 actions on motions, report, 3269
 annual report, 6243
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131
 decisions and reports, bound volumes, 2239, 4760, 7954, 14017, 17750
 decisions, reports, public notices and other documents (periodical), 3270
 maritime services, radio stations on land, shipboard, etc., rules and regulations, 3274
 members—
 nomination of Robert E. Lee, hearing, 13855
 nominations, hearings, 6094
 memorandum opinions, etc., 3549
 nonbroadcast and general actions, reports, 3269
 organization, FCC rules and regulations, 3271
 practice and procedure, FCC rules and regulations, 3271
 press releases, 3721
 public notices, 3269, 3721
 regulatory and enforcement activities relating to small business, report, 4513
 rules and regulations, 4761
 transmittal sheets, 3271-79
 telephone and telegraph committees report in domestic telegraph investigation, 17751
- Federal Correctional Institution, Englewood, Colo. :
 experimental and training projects, 1961-64, selected materials related to, 2798
 supplement, 2799
- Federal Council for Science and Technology :
 Government patent policy, annual report, 2240
 report, 11780
- Federal credit unions :
 accounting manual, revised pages, 15239
 act, amend—
 hearings, 10643, 13845
 reports, 9283, 10603, 16386
 gifts to minors in D.C., permitting deposits, report, 13639
 loans to directors, etc., amend act—
 hearing, 10643
 law, 12179
 reports, 9283, 10603
 modernization of loan, etc., procedures—
 hearing, 13845
 report, 16386
 organizing, 14018
 program, annual report, 17754
 shares purchase through payroll allotment—
 hearing, 13845
- Federal Credit Unions Bureau :
 accountants, opportunities, 6246
 annual report, 17754
 meeting with officials, hearings, 9150
- Federal Crop Insurance Corporation :
 appropriations, 1968, hearings, 10629, 12397
 audit report, 5991
 financial statements, 1966, GAO examination, 4863
- Federal Departmental Wage Board, establish, hearing, 12425
- Federal Deposit Insurance Corporation :
 annual reports, 1943, 14019
 audit reports, 2341, 5987, 14149, 14925
 insured banking offices, list, supplements, 3514
 meeting with officials, hearings, 9150
 press releases, 3722
 regulatory authority, strengthen—
 law, 409
 reports, 666, 674, 691
 report of call, 7958, 16567
- Federal Development Planning Committees for Alaska :
 appropriations, 1968—
 hearings, 7734, 9302
 law, 12170
 reports, 10560, 10766, 12252
 Federal disaster assistance, 7919
- Federal employees, *see* Government officials and employees.
- Federal employees compensation act, *see* Employers' liability and workmen's compensation.
- Federal employment, *see* Employment.
- Federal expenditures, *see* Finance.
- Federal exploration of American West, 8516
- Federal Extension Service :
 appropriations, 1968, hearings, 10629, 12397
 circulars, 16568-569
 civil defense program, knowledge for survival, 3463
 cooperative extension services in District of Columbia, establish, hearing, 16387
 Extension Service review (periodical), 3255
 FES aid, sanitation series, 14022
- Federal Field Committee for Development Planning in Alaska :
 appropriation of funds, authorize—
 law, 14913
 reports, 12375, 13679
- Federal Fire Council :
 film library list for safety programs, 14164
 fire experience, 16679
 library accessions, list, 3511
 minutes of meeting, 17816
 minutes of special meeting held at N.I.H., 12594
 publications, list, 4884
 recommended practices series, 8151
 Federal Government, *see* Government.
- Federal grading services, *see* Grading of commercial products.
- Federal Highway Administration :
 Administrator, nomination of Lowell K. Bridwell, hearing, 6126
 creation (remarks), 1950
 establish—
 law, 389
 report, 906
 general information, 12503
 location and design problems of Interstate highway system segments in metropolitan areas, GAO report, 15299
- Federal Home Loan Bank Board :
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131
 current issues and policies (remarks), 17756
 digest, 3282
 financial statements, 1966, GAO examination, 15295
 meeting with officials, hearings, 9150
 member, nomination of John E. Horne, hearing, 12401
 press releases, 3723

Federal Home Loan Bank Board—Cont.
regulation of savings and loan holding companies, etc., strengthen—
hearings, 13849, 16316
report, 13796
regulatory authority, strengthen—
law, 409
reports, 666, 674, 691
report, 16573

Federal Home Loan Bank System:
combined financial statements, 1965—
member S & L's, 6249
members of System, 16572

Federal home loan banks:
act, amend, hearings, 15019
audit report, 14924
financial statements, 1966, GAO examination, 12586

Federal Hospital Insurance Trust Fund,
Board of Trustees, *See* Board of Trustees
of Federal Hospital Insurance Trust Fund.

Federal Housing Administration:
acquired residential properties, savings
possible by consolidating management,
GAO report, 11585
audit report, 12204
FHA mortgage insurance on housing for
elderly, 6427
FHA regulations, 6250-56, 11011-13,
12505, 17757
FHA's experimental housing program,
6426
financial statements, 1965, GAO examination, 11146
financing condominiums, 2384, 4903
financing home purchases and home
improvements under FHA programs,
16708
handbook for multifamily projects, 2245
home mortgage insurance—
area trends, 9454, 12504
State trends, 9455, 12506
home mortgage payments, guidelines,
6428
houses, newly constructed, need for
strengthened procedures to reduce number
of extra final inspections, GAO
report, 11148
how FHA helps on home trade-ins, 4901
insurable loans, digest, 6433
insured loans for major home improvement,
4904
insured mortgages, investment of institutional
funds in, 12626
manual, mortgagee's handbook, home
mortgage programs, revisions, 4767-69,
14025
mortgage insurance, urban renewal, consumer
bulletin, 11203
multiple dwelling projects, investigation—
hearings, 2118
hearings, errata, 9314
report of findings, 12392
nursing home insurance, 1965 survey,
6435
press releases, 3724
rental housing program, what it is, how
it works, 6423
three ways to finance home improvements
through FHA, 11202
title 10, mortgage insurance, land development
handbook, 16575

Federal intermediate credit banks:
debentures issued, delete interest rate
limitation—
hearing, 707
report, 633
farm credit system, audit reports, 4862,
5988

Federal Item Identification guides:
brush electrical contact, 6148
compressors, reciprocating, rotary, and
centrifugal, 13916
conduit, electrical, 17694
conduit fittings, 15183

Federal Item Identification guides—Cont.
electrical posts, splices, and terminals,
10892
furnaces and space heaters, 15184
glass, figured, corrugated, plate, sheet,
and spandrel, 6149
heating elements, electrical, 16462
improvement program procedures manual,
2147
inner tube, pneumatic tire, 15185
insulation, thermal, 13917
insulators, electrical, 17695
keys and pins, 17696
knobs, dials, and pointers, 17697
pipe and tube, metallic, 10893
resistors, fixed and adjustable, 10894
rivets, rivet caps, and collars, 15186
rod and rod section, ground, 10895
threaded fasteners, 15187
tires, pneumatic and solid, 10896
washers, 16463

Federal item identification guides for supply
cataloging, supplements, 3283-93

Federal Judicial Center:
establish—
hearings, 12306, 16422
report, 12258

Federal land banks:
farm mortgage lending experience, 9395
federal land bank system, half century of
service to agriculture, 16544
loans, stockholder personal liability on
report, 15130
medal in commemoration of anniversary—
law, 397
report, 690

Federal lands, *see* Public lands.

Federal Library Committee, newsletter,
3337

Federal manual for supply cataloging, 12439,
16458, 17689

Federal Maritime Administration:
establish—
hearings, 16335
reports, 15009, 16278

Federal Maritime Commission:
activities, responsibilities, etc. (remarks),
6260
American merchant marine grows under
its guidance (address), 9456
appropriations, 1967, law, 501
appropriations, 1968—
hearings, 10632, 16390
reports, 10616, 16372
authority to exempt water carrier operations
from certain provisions of
shipping act, 1916—
hearings, 4552
law, 482
Commissioner, nomination of Ashton C.
Barrett, hearing, 15153
decisions, bound volume, 15244
decisions, separates, 3294
economic and promotional responsibilities
of regulatory agency (remarks), 16579
functions (remarks), 16577-578
legislation and activities report, hearings,
16337
orders, notices, rulings and decisions,
3662
press releases, 3725
pre-trial discovery procedures, empower to
adopt—
hearings, 13852, 16337
report, 15084
report, 1966—
departmental edition, 7967
document edition, 7594
SP series, 2246-47, 6258-60, 7968-72,
9456, 11016, 16577-579

Federal Mediation and Conciliation Service:
annual report, 12507
appropriations, 1967, law, 491
appropriations, 1968—
hearings, 9144, 13841
reports, 10612, 15082

INDEX 1967

- Federal Metal and Nonmetallic Mine Safety
 - Board of Review, create, report, 647
- Federal National Mortgage Association :
 - audit report, 13558
 - financial statements, GAO examination, 2343, 4488, 14150
 - increase borrowing and purchasing authority, reports, 4500, 4502
 - participation certificates outstanding, inclusion in public debt limitation—
 - law, 13526
 - law, legislative history, 15051
 - report, 12273
 - press releases, 3726
- Federal news clip abct, 3296
- Federal offenders in United States district courts, 8799
- Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Fund, *see* Board of Trustees of Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds.
- Federal Open Market Committee :
 - monetary policy framework, analysis, 7740
 - rules of organization, availability of information, and procedure, 14046
- Federal personnel manual, *see* Civil service.
- Federal plan for meteorological services and supporting research, 9431
- Federal plan for National Agricultural Weather Service, 6226
- Federal plan for National Fire-Weather Service, 9432
- Federal planning, *see* Economic policy.
- Federal Power Commission :
 - annual report—
 - departmental edition, 6261
 - document edition, 5982
 - appropriations, 1968—
 - hearings, 9145, 15147
 - reports, 10600, 15131
 - career opportunities, accountants, attorneys, etc., 4779
 - Commissioner, nomination of Carl E. Bagge, hearing, 15153
 - daily news digest, 3629
 - Federal power act, text, 17759
 - jurisdiction, amend act, hearings, 16401
 - laws, compilation, 1984
 - nominations, hearings, 6094
 - practice and procedure rules, 3308, 14032
 - press releases, 3727
 - prevention of power failure, final report, 14030
 - publication list, 6265, 14031
 - R series, 4770-71
 - regulations under Federal power act, 3816
 - changes, 2254
 - reports, opinions, decisions, and orders—
 - bound volumes, 14026, 16581
 - cumulative index-digest, bound volume, 17758
 - monthly, 3307
 - S series, 2247, 6262-63, 7973, 11017, 12508, 17760
 - safety of interstate natural gas pipelines, prescribe safety requirements, etc., hearings, 6093
- Federal Prison Industries, Inc. :
 - annual report, 2797
 - audit report, 5989
 - financial statements, 1966, GAO examination, 4864
- Federal Prison Service, correctional officer, examination announcement, 7541
- Federal probation (periodical), 3309
- Federal procurement regulations, FPR amendments, 3310
- Federal property, *see* Public property.
- Federal Radiation Council :
 - appropriations, 1967, law, 491
 - appropriations, 1968—
 - hearings, 9144, 13841
 - reports, 10612, 15082
 - reports, 17761
- Federal Railroad Administration :
 - establish—
 - law, 389
 - report, 906
- Federal Reformatory, Chillicothe, lands, relinquish jurisdiction to Ohio, law, 460
- Federal register, 3311-12
- index, 3313
- Federal regulations, *see* Code of Federal regulations—*also* subjects.
- Federal Republic of Cameroon, *see* Cameroon.
- Federal Republic of Germany, *see* Germany.
- Federal Republic of Nigeria, *see* Nigeria.
- Federal reserve agents fund, transactions, 3424
- Federal reserve banks :
 - act of 1913 with amendments, text, 1985
 - condition statement, 3258
 - credit extension, amend law as to security acceptable—
 - hearing, 7800
 - report, 9282
 - hours, opening and closing, and holidays, 3651
 - interdistrict settlement fund, transactions, 3424
 - monetary policy (remarks), 2263
 - purchase of foreign govt. obligations, authorize—
 - hearings, 7800
 - report, 9281
 - State member banks, list, 6305
 - see also* other headings beginning Federal reserve.
- Federal reserve bulletin, 3314
- Federal reserve chart book, financial and business statistics, 3315
- historical supplement, 16591
- Federal reserve member banks :
 - assets and liabilities—
 - monthly report, 3047
 - summary report, 3048
 - changes in State bank membership, weekly announcement, 3090
 - deposits, money supply, currency, etc., 3567
 - deposits, reserves, and borrowings, bi-weekly report, 3201
 - income, 1965, statistical release, 2262
 - loans to executive officers, limitation, amend—
 - hearings, 7800, 10643
 - law, 12179
 - reports, 9283, 10603
 - loans to executive officers, regulations, amendment, 12534
 - payment of interest on deposits, Federal reserve regulation Q, 6301
 - public information act, effect, 14042
 - reserves, factors affecting, 3258
 - reserves of member banks, regulation, 4788
 - supplements, 4789, 8003
- State member banks—
 - lists, 3895, 6305
 - securities, regulation, 11057
- Federal reserve par list, 2258, 3316, 17762
- errata, 4782
- Federal reserve system :
 - Federal reserve act, amend—
 - hearings, 7800, 10643, 17595
 - laws, 12179, 17541
 - reports, 648, 9281, 9283, 10603, 13816
 - Federal reserve policy and credit markets (remarks), 1061
 - foreign exchange operations, 8005, 16599
 - international responsibilities (remarks), 4787
 - looks at balance of payments (remarks), 2261
 - monetary control, insures prosperity for all (remarks), 12536
 - regular audit by Comptroller General, provide, hearings, 17595

Federal Reserve System Board of Governors :
 annual report, 9488
 applications received, or acted on, during
 week, 3035
 authority, rules regarding delegation,
 12535
 functions, delegation, authorize—
 law, 469
 report, 667
 hearings, formal, rules of practice, 15250
 hours, opening and closing, and holidays,
 3651
 meeting with officials, hearings, 9150
 member, nomination of William W. Sher-
 rill, hearing, 9308
 press releases, 3728
 publications, list, 4785, 12532
 regulation series, 1066, 4788-89, 6301,
 8003-4, 9495, 11057, 12534, 14043-44
 regulatory authority, strengthen—
 law, 409
 reports, 666, 674, 691
 research library, recent acquisitions, 3826
 rules of organization—
 and of procedure, 16597
 availability of information, and proce-
 dure, 14046
 rules regarding availability of informa-
 tion, 14047
 staff economic study, 4790, 6303, 14040
 statistical releases, 3052
 Federal retirement systems, *see* Civil service
 pensions.
 Federal Safety Council :
 objectives, membership, organizational
 structure, 8006
 work injuries, facts and figures, 1070
 Federal savings and loan associations :
 combined financial statements, 6249
 rules and regulations, changes, 9453, 15242
see also Savings and loan associations.
 Federal Savings and Loan Insurance Corpo-
 ration :
 audit reports, 11145, 12202
 financial statements, 1045, 4766, 7962,
 11009, 15240
 meeting with officials, hearings, 9150
 regulatory authority, strengthen—
 law, 409
 reports, 666, 674, 691
 savings and loan associations, insured sav-
 ings and mortgage lending activity, se-
 lected balance sheet items, 3365
 Federal service, *see* Civil service.
 Federal Services Finance Corporation, in
 vestigation, hearings, 726
 Federal specifications, *see* Government sup-
 plies.
 Federal standards, 1072, 2267-70, 4794-96,
 6307-15, 8008, 9498, 11062-65, 16601-
 604, 17764
 index, 6335
 Federal-State-local relations, *see* Intergov-
 ernmental relations.
 Federal supply catalogs, 2151, 3319-21,
 7855-56
 Federal supply classification handbook,
 groups and classes, 975
 Federal supply code, *see* Government sup-
 plies.
 Federal support to universities and colleges,
 17057
 Federal system and economic development,
 role of State planning, 13934
 Federal system as seen by Federal aid offi-
 cials, print additional copies, reports,
 4597, 10585
 Federal tax policy, *see* Taxation.
 Federal test method standards, 9499, 15252,
 16605
 Federal textbook on citizenship, 11211,
 12629-632, 14190-191
 Federal Trade Commission :
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131

Federal Trade Commission—Continued
 commissioner, nomination of Mary G.
 Jones, hearing, 6095
 decisions—
 bound volume, 12538
 separates, 3328
 news summary, 3329
 press releases, 3729
 report, 1966—
 departmental edition, 6336
 document edition, 5978
 trade practice rules, proposed, 3779
 Federal Wage Board Committee, establish,
 hearings, 16432
 Federal Wage Board Council, appoint, hear-
 ings, 16432
 Federal wage-hour law, *see* Labor standards.
 Federal Water Pollution Control Adminis-
 tration :
 appropriations, 1968—
 hearings, 12287, 16393
 report, 13678
 career opportunities, your career and clean
 water for America, 8012
 establish, text, 6340
 manpower and training needs in water
 pollution control, report to Congress,
 17615
 press releases, 3730
 Federal Youth Correctional Institution,
 Englewood, Colo., *see* Federal Correctional
 Institution, Englewood, Colo.
 Feed, *see* Food for livestock.
 Feed grains, *see* Grain.
 Feed mechanisms, automatic equipment for
 livestock and poultry, 8830
 Feed systems (antennas), *see* Antennas.
 Feed-through connector couples rf power
 into vacuum chamber, 8386
 Feed-thru flange is useful in vacuum applica-
 tions to cryogenic temperatures, 6778
 Feed water, *see* Boilers.
 Feedback control systems :
 influence of response feedback loops on
 lateral-directional dynamics of variable
 stability transport aircraft, 11516
 negative, reduce pump oscillations, 8473A
 preregulator feedback circuit utilizes light
 actuated switch, 2663
 problem of meeting movements, USSR
 study, 15427
 state variable, digital computer program
 for analysis and design, 14397
 time-optimal response by means of dis-
 continuous rate compensation, 16898
 Feeders :
 materials, industrial plant equipment
 handbook, 6141
 swine, farm building plan, 15865
 Feeding programs (space flight), *see* Menus
 for space flights.
 Feeding the child with a handicap, 13416
 Feer, Mark C., address, Nov. 14, 1966, 1936
 Fees :
 architect-engineer, Government-wide ad-
 ministration of certain statutory and
 regulatory requirements, GAO reviews,
 9548, 16668
 attorneys, recovery, amend interstate com-
 merce act, hearings, 17645
 bankruptcy filing, reallocate part, report,
 16248
 Federal Aviation Agency records, copying
 and certifying, FAA regulations, 11004
 foreign countries for visa of United States
 passports, list, 7145
 lockage, Welland Canal, agreement with
 Canada, 11872
 migratory bird hunting stamps, increase,
 reports, 624, 12266
 NASA cost plus award for contracting
 guide, 16888
 outdoor recreation, questions and answers,
 7030

INDEX 1967

- Fees—Continued
 ship mortgage certified copies, reduce cost—
 hearings, 4552
 law, 364
 report, 887
 United States employees, jurisdiction of district courts over actions to recover, limitation, increase, amend Tucker act, report, 15077
- Feller, Charles E., dynamic response of gaseous-hydrogen flow system and its application to high-frequency combustion instability, 12953
- Feistel, Terrell W., flight investigation of COIN-type STOL aircraft, 15572
- Feltner, Stanley A.:
 feldspar resources and marketing in eastern United States, 8339
 mineral industry of New Hampshire, 2560
 mineral industry of New York, 5118
- Feldman, Herman, relief, 266, 785
- Feldspar:
 resources and marketing in eastern United States, 8339
 ternary diagrams of quartz-feldspar content of pegmatites in Colorado, 1111
- Fellowships:
 city planning and urban studies fellowship program, appropriations, extend authority—
 law, 14910
 reports, 12360, 14945
 experienced teachers, elementary and secondary, for graduate study, program, 6152
 higher education act of 1965, administration of programs, 1966, notes and working papers, 12422
 national defense education act—
 graduate program for pre-doctoral study, 2187
 graduate 1967-68 programs, 4715
 modern foreign language program, 7905
 National Science Foundation, 8566
 nurse, special research fellowships, pre-doctoral and postdoctoral, general information, 15711
 postdoctoral, in educational research, 1012, 15216
 prospective teachers, 1967-68 programs, 7906
 Public Health Service awards, 1966 funds, 7086
 teacher education—
 law, 12176
 reports, 12275, 13643, 13805
 water pollution control research and training grants 1966 awards, list, 2274
- Felt, current industrial reports, 3170, 4336
- Felton, Jean S., survey of medicine and medical practice for rehabilitation counselor, 10128
- Felton, Joseph M., national space program, its values and benefits, 9169
- Fence posts, preservative treatment, 10165
- Fenn, David B., steady-state performance of 7-tube NaK-cooled potassium condenser, 12937
- Ferber, Ellen:
 goodbye to birds and bees, 10932
 voice of the silent stage, 4723
- Ferguson, Marion, how to determine nursing expenditures in small health agencies, 5437
- Fernandez, Manuel Rodriguez, *see* Rodriguez-Fernandez, Manuel.
- Fernandez, R.:
 ice crystal growth rates and hydrate reaction kinetics, 6447
 thermodynamics and kinetics in hydrate and freezing processes, 6446
- Fernandez-Bravo y Amat, Alberto, relief, 9201, 12234, 13489
- Fernandez-Conde, Augusto J., relief, 299, 322, 599, 864
- Fernández Noda, Esteban, relief, 310, 594, 815
- Fernando Pó, labor conditions, 5073
- Ferns, types, studies, 15601
see also Grammitis.
- Ferrando, Maria Jordan, *see* Jordan Ferrando, Maria.
- Ferraro, Francesco Urga, *see* Urga-Ferraro, Francesco.
- Ferraro, Giovanni Urga, *see* Urga-Ferraro, Giovanni.
- Ferrell, James K.:
 low pressure steam-water flow in heated vertical channel, 7430
 two-phase flow through abrupt expansions and contractions, 7431
- Ferris, Oscar J., jr., effects of earthquake of Mar. 27, 1964, in Copper River basin area, Alaska, 2371
- Ferries, allow use of British Columbia ferries for Alaska-bound cargo, hearing, 13851
- Ferris, James C.:
 static stability investigation of single-stage sounding rocket, 12933
 transonic aerodynamic characteristics of model of supersonic fighter-bomber airplane with external fuel tanks and other modifications, 1505
- Ferris, Robert G., prospector, cowhand, and sodbuster, etc., 13008
- Ferris-Prabhu, Albert V. M., relief, 9224
- Ferrites, controlled, content improves weldability of corrosion-resistant steel, 8475
- Ferroalloys, minerals yearbook chapter, 6633
- Ferrocenes, polymers, annotated bibliography, 2156
- Ferro-silicon, mineral industry survey, quarterly, 3332
- Ferry County, Wash., Republic quadrangle and part of Aeneas quadrangle, geology, 16682
- Fertal, Martin J., modal split, estimating transit usage, 7100
- Fertility, *see* Fecundity.
- Fertilizers:
 chemistry and technology research, USSR, 15350
 fertilization uneconomic for forage improvement in Louisiana pine plantations, 14117
 manufacturing, industry wage survey, 12774
 publications, price list, 7052
 South America, mineral sources, 1110 supply, 8819
 TVA 1967 trends, 17261
 use in United States, by crops and areas, 1964 estimates, 14760
see also names of substances.
- FES, *see* Federal Extension Service.
- Fesene foot, cattle, what to do about it, 14750
- Fetal death, *see* Still-birth.
- Feth, J. H., Lake Bonneville, geology and hydrology of Weber Delta district, including Ogden, Utah, 6400
- Fetheroff, C. W., electrolysis cell for orbital test, 2607
- Fetter, Theodore A., piggyback traffic characteristics, 8233
- Ffolliott, Peter F., occurrence of stem features affecting quality in cutover southwestern ponderosa pine, 14144
- FG series, 4382, 5914-15, 17450
- FHA, *see* Farmers Home Administration—Federal Housing Administration.
- FIAT-Soviet auto plant and Communist economic reforms, report, 12291
- print additional copies, report, 10594
- Fiber boxes, *see* Boxes.
- Fiberboard, *see* Pulpboard.
- Fiberglass, *see* Glass fibers.
- Fibering of oxides in refractory-metal matrices, 3900

Fibers:
 bonded, nonwoven fabrics, current industrial reports, 4336
 cotton and other fiber problems and policies in U.S., 15666
 discontinuous-fiber composites, metallurgical and geometrical factors affecting elevated-temperature tensile properties, 8498
 errata, 14451
 fluid treatment and chemical modification, patent classification definitions, 5369
 food and fiber for future, report, 13063
 food and fiber in Nation's politics, 17123
 synthetic, industry wage survey, 8317
 United States, food and fiber system in changing world environment, 18144
 vegetable, foreign agriculture circulars, 3345
see also names of certain plants, textiles, etc.
Fibrinolytic blood, see Blood.
Fibrograph, digital, for measuring length characteristics, of cotton fibers evaluation, 8834
Fibrosampler, for sampling cotton fibers, evaluation, 8834
Fibrosis, cystic, facts, 17148
Fibrous glass, see Glass.
Fibrous reinforcements for space applications, 11418
Fichman, Philip J., relief, 853
Fichter, Joseph H., graduates of predominantly Negro colleges, class of 1964, special report, 14625
Fichter, W. B., stresses at tip of longitudinal crack in plate strip, 14498
Fiedler, Fred E., second level management, review and analysis, 13450
Field, William D.:
 butterflies of genus *Calycopis* Scudder etc., 5309
 butterflies of new genus *Calystryma*, etc., 14537
Field bakery operations, 15947
Field CBR collective protection, 5740
Field crops, see Crops.
Field directory, HEW, 12619
Field employees, see Government officials and employees.
Field manuals, see names of departments, etc., issuing field manuals.
Field sanitation team training, 10264
Field seeds, supply and disappearance, 5680, 8755
Field Services Office, Commerce Dept., cooperative offices, partners in progress, 1948
Field surveys, President's Commission on Law Enforcement and Administration of Justice, 13058-62
Fiedler, William L., ionic conductivity of calcium and strontium fluorides, 6866
Fielding, G. H., EW contamination with hypochlorite, 10012
Fieno, Daniel, transport study of real and adjacent flux for NASA zero power reactor (ZPR-1), 11535
Figge, I. E.:
 crack propagation, delayed failure, and residual static strength of titanium, aluminum, and stainless alloys in aqueous environments, 6872
 empirical equation relating fatigue limit and mean stress, 9878
Fighter planes:
 F-4, supply and maintenance support, need for improvement, Navy Dept., GAO report, 11147
 F-106B aircraft flashblindness experiment, 17349
 F-111B aircraft program, appropriations, 1968, hearings, 16388
 variable-sweep tactical, rolling stability derivative at subsonic and transonic speeds, 6887

Figs:
 dried, U.S. standards for grades, 6133
 production, use, value, 1965-66, by States, 14695
FIG, see Federal item identification guides.
Fiji Islands:
 Geniostoma, description, title page and index, 17048
 mineral industry, minerals yearbook chapter, 9759
 new and noteworthy flowering plants, studies, 12997
 plant quarantine import requirements, 17303
Filament-winding plastics, syntheses, properties, and uses of m-aminobenzyl amine (MABA), 9989
Filamentary materials, composites, high-performance, Air Force basic research, 15890
Filaments:
 glass-epoxy fabricated plates, compressive behavior, 9895
 hot tungsten, synthesis of higher order hydrocarbons, 8504
 meteoroid damage to filamentary structures, 16899
 microscopic, or other parts, cutting, etc., micromanipulation tool adapted to many uses, 8446
 winding, fabrication techniques for fiber glass reinforced primary aircraft structures, 4222
Filippi, Cesar A., threshold reduction techniques study, 6716
Filippi, Siegfried, new Lie series method for numerical integration of ordinary differential equations, etc., 9877
Fillers (in wood, metal, etc.):
 composite weld rod corrects individual filler weaknesses, 9862
 photosensitive filler minimizes internal stresses in epoxy resins, 14429
Fills, behavior of bench fill, Sherwood Island State Park, Conn., 13976
Film badges, see Dosimeters—Photographic film detectors.
Film boiling, see Boiling.
Film libraries, see Motion pictures.
Film slides, see Filmstrips.
Film strips, see Filmstrips.
Films (coatings):
 complex surfaces plated by thin-film deposition in one operation, 8447
 film-transfer studies of 7 ball-bearing retainer materials in 60°R (33°K) hydrogen gas at 0.8 million DN value, 2709
 oxide film on metal substrate reduced to form metal-oxide-metal layer structure, 12841
 permits low-force scribing, 6772
 photodegradation of polymer films, surface effects, 18113
 process forms effective electrical contacts on semiconductor crystals, 11471
 uniform reflective films deposited on large surfaces, 5203
 see also Monomolecular films.
Films (coverings):
 thin films, 2d colloquium on, Budapest, Hungary, 12740
Films (metallic), see Metallic films.
Films (photography):
 film, photographic, black and white, classification and testing methods, Federal standard, 11065
 gas pressure feeds film into camera at high speeds, 5143
 polaroid film helps locate objects in inaccessible areas quickly, 6743
 see also Motion pictures.
Filmlets:
 employment security and service, farm labor, etc., 12472
 housing and community development, bibliography, 11204

Films/Slides—Continued

- photographic, mount for use with overhead projectors, Federal standard, 16604
- Filmstrips:
 - aberrant cells, nature of cancer, 15674
 - catalog of copyright entries, 12435, 17685
 - housing and community development bibliography, 11204
 - Library of Congress catalog, 3506
 - medicine and allied sciences, film reference guide, 13073
 - Public Health Service, 1967 film catalog, 17045
 - United States and the world, introduction to our foreign relations, 5553
- Filters and filtration, filter pack technique for classifying radioactive aerosols by particle size, final report, 10017
- see also Digital filters—Kalman filters—Light filters.

Finance:

- agricultural review, 985
- supplement, 10918
- agricultural balance sheet, 17308
- Atomic Energy Commission, 1967 report, 17403
- balanced financial policy (remarks), 2946
- banking and farm finance, present challenge (remarks), 6298
- city government, 13399
- code of Federal regulations, 6285
- combined financial statements—
 - member S & LA's of Federal Home Loan Bank System, 6249
 - members of Federal Home Loan Bank System, 16572
- daily statement of Treasury, 3183
- DSA manual, 979, 13913-914, 17693
- export financing, Export-Import Bank, 6232
- financial frontiers (remarks), 18241
- financial intermediaries' role in U.S. capital markets, 6303
- financial liquidity, monetary policy, and outlook for corporate profits (remarks), 11056
- financial management practices in Labor Department, GAO review, 8147
- financial operating data of affiliated food wholesalers, comparison, 4123
- financial protection for Federal employees, 1925
- financial statements—
 - Commodity Credit Corporation, GAO examination, 8132
 - Federal Crop Insurance Corporation, GAO examination, 4863, 5991
 - Federal Home Loan Bank Board, GAO examination, 15295
 - Federal home loan banks, GAO examination, 12586
 - Federal Housing Administration, GAO examination, 11146, 12204
 - Federal National Mortgage Association, GAO examination, 2343, 14150
 - Federal Prison Industries, Inc., GAO examination, 4864
 - Federal Savings and Loan Insurance Corporation, 1045, 4766, 7962, 11009, 15240
 - Housing Assistance Administration, GAO examination, 4875
 - southeastern Federal power program, GAO examination, 15296
 - submission by Government agencies, etc., regulations, 17267
 - Tennessee Valley Authority—
 - annual, 1647
 - GAO examination, 6375, 7604
 - Veterans Canteen Service, Veterans Administration, GAO examination, 4865
 - Virgin Islands Corporation, GAO examination, 14151
- financial summary, foreign economic assistance, 16725

Finance—Continued

- financing civil service retirement system administered by Civil Service Commission, GAO report, 9547
- financing college education, programs, etc. (remarks), 5571
- financing condominiums through FHA, 2384, 4903
- financing home purchases and home improvement under FHA programs, 16708
- financing livestock exports, 14076
- fiscal policy (remarks), 1653, 1656
- fiscal policy and national goals after Vietnam (remarks), 11883
- fiscal policy, orchestration, initiative and innovation in central banking (remarks), 9493
- forest fire control, cooperative program, financing, 9527, 15276
- General Accounting Office findings, etc., for improving Government operations, 15294, 16158
- Government contingent liabilities and assets, reports—
 - law, 513
 - law, summary, 9177
 - legislative history, 7762
 - report, 702
 - Senate amendments, summary, 4567
- government finances, GF series, 180, 1881-82, 5886-87, 7492, 10380, 13399-400, 16030-31
- governmental, 5886-87
 - correction notice, 16030
- governmental finances and employment, 1966, chart book, 1881
- highway statistics, 13101
- joint financial management improvement program, annual report, 11144
- local Government finances in selected metropolitan areas, 1882, 16031
- long term look at fiscal policy (remarks), 2952
- machine tool financing, 15730
- management system, actions to improve, U.S. Army Tank-Automotive Command, Warren, Mich., GAO report, 17810
- manufacturing corporations, quarterly report, 3794
- medical care, source book of data through 1961, selected revisions, 15685
- men and money, human resources and financial management (address), 11053
- monetary policy and municipal finance (remarks), 9494
- opportunities and risks of financing world progress (remarks), 7210
- policies for financial balance (remarks), 2953
- political (remarks), 2955
- problems in financing scientific research work, USSR, 16745
- public facility financing, 1977
- public school finance program, 1966-67, State compilations, 17724
- receipts and expenditures of U.S.—
 - combined statement, 5611
 - monthly statement, 3580
- receipts, Federal, 1967 and 1968, estimates, 10686
- receipts, selected services, monthly report, 7490
- respective roles of monetary, fiscal and wage price guideline policies in 1967 (remarks), 1965
- revenue sharing and its alternatives, what future for fiscal federalism?—
 - committee print, 13546
 - hearings, 16149
- scientific research, effective forms of financing, USSR study, 1237
- social security benefits, financing, 7123
- State and local governments, 1965-66, employee-retirement systems, 7492
- State government, 1966 summary, 10380

Finance—Continued
 statistics, Federal reserve chart book, 3315
 historical supplement, 16591
 time deposits and financial flow, 4791
 treasury bulletin, 3976
see also Banks and banking—Credit.
Finance Committee, Senate:
 additional clerical assistants, report, 4606
 calendar, 3494
 committee prints, 2114-15, 7803
 hearings, 950-952, 6096-97, 7804-5,
 12407, 13859, 15154, 16408-409
 reports, 884, 901-903, 905, 911, 2094, 2099,
 3097, 4584, 4596, 6086, 7787, 9271,
 13775, 13797-801, 13823, 15091-93,
 15104-105, 16353-358
Finance companies:
 auto loan characteristics at major sales
 finance companies, 7992
 consumer credit at consumer finance com-
 panies, 3141
 mid-1965, survey, 11060
 sales finance companies, monthly report,
 3846
Finance decisions, see Interstate Commerce
 Commission.
Financial assistance, see Foreign aid—
 Grants-in-aid.
Financial institutions, see Banks and bank-
 ing.
**Financial Management and PPBS Train-
 ing Center, CSC, background, curriculum,
 etc., 7547**
Financial statements, see Finance.
**Finch, Warren L., geology of epigenetic ura-
 nium deposits in sandstone in United
 States, 8167**
**Finchum, R. N., extended use of school fa-
 cilities, 16499**
Fine Arts Commission:
 appropriations, 1968—
 hearings, 7734, 9302
 law, 12170
 reports, 10560, 10766
**Finerty, Joseph M., employment and earn-
 ings, and monthly report on labor force,
 3232**
**Fines, collecting, Justice Dept. policies and
 procedures, GAO review, 11154**
**Fink, Edw. M., chemistry, carbon compounds,
 classification definitions, 18133**
**Fink, F. W., corrosion in hot sea water in ex-
 perimental loop apparatus, 15326**
Fink, Marvin P.:
 aerodynamic characteristics of model em-
 ploying sawlling concept, 14465
 aerodynamic data on large semispan tilt-
 ing wing, etc., 1485, 6855, 9879, 15557
Finland:
 background notes, 15755
 economy, basic data, 1946
 foreign trade regulations, 17481
 independence, 5-cent commemorative post-
 age stamp (poster), 15645
 selling in Finland, 10461
 USSR boundary, study, 8718
**Finlayson, Rasma, State mental health plan-
 ning, 1966 final reports, 17141**
**Finnel, Tommy L., mineral resources of
 Mount Baldy primitive area, Ariz., 8156**
Fins (aircraft):
 internally and externally finned radiators
 for Brayton cycles in space, exploratory
 study, 8405
 turbulent separated flows investigation in
 vicinity of fin-type protuberances, 6857
Fins (cooling):
 straight finned radiators, weight optimiza-
 tion, design procedure, 6781
**Florinia externa Ferris, scale insect of hem-
 lock, 17796**
Fir:
 balsam, botanical and commercial range in
 Lake States, 8069

Fir—Continued
 Christmas trees, development of planta-
 tion of high quality trees, 2292
 defect estimation for grand fir, Douglas-
 fir in Blue Mountains of Oregon and
 Washington, 2289
Douglas—
 bigcone, silvical characteristics, 14143
 formula for total cubic-foot volume table
 from bulletin 201, 1092
 labor requirements in thinning, 4837
 simple, progressive improvement pro-
 gram, 8081
 site curves, comparison, 2309
 stands, investigating dominance, 16662
 dwarfmistletoe parasitizing true firs in
 California, biology and pathology, 5685
 forest floors and soils under true fir-hem-
 lock stands, characteristics, 11139
 grand and subalpine, translocation of dye
 in firs infested by balsam woolly aphid,
 11116
 grand fir cones, maturity indices, 9534
 spruce-fir clearcuttings in Colorado, stock-
 ing of reproduction, 2314
 true firs, possible grouse damage, 1090
 white fir, winter injury among seedlings,
 14107
Fire control, see Fires—Forest fires.
Fire control (gunnery):
 equipment, Federal item identification
 guides for cataloging, supplements, 3293
 trainee's guide, test equipment, 7023
**Fire Control and Prevention, National Com-
 mission on, see** National Commission on
 Fire Control and Prevention.
Fire control technicians:
 basic electricity, trainee's guide, 1543
 electronics, trainee's guide, 2776
**Fire departments, 2d and 3d class postal
 rates for volunteer fire companies, extend
 report, 694**
Fire extinguishers:
 carbon tetrachloride, hazards, 8151
 dry chemical fire-extinguishing powders,
 determining specific surface, permeabil-
 ity and elutriation methods, 11678
 fire extinguishing equipment, 13054
 know your fire extinguishers, technical
 reference, 9737
Fire-fighting apparatus:
 Federal item identification guides for sup-
 ply cataloging, supplements, 3287
 motorized, current industrial reports,
 4332, 10355
**Fire insurance, factory mutuals, a way of
 doing (address), 12129**
**Fire Island National Seashore, general in-
 formation, 13004**
Fire prevention, see Fires.
Fire protection, see Fires.
**Fire resistant construction of home, farm
 buildings, 15849**
Fire-retardant coatings, see Coating mate-
 rials.
Fire retardants, see Fires.
Fire Scan Project, see Project Fire Scan.
Fire Weather Service, National, see National
 Fire-Weather Service.
Firearms:
 injuries caused by, mandatory reporting
 in D.C., provide, law, 480
 national firearms act, code of federal reg-
 ulations, 11225
 prohibit use in D.C., in certain crimes,
 hearings, 10644
 safe use, facts, National Farm Safety
 Week, 10187
 small arms ammunition, identification
 guide, 5738
 small arms barrels, soundness require-
 ments for cobalt-chromium alloy liners,
 military standard, 9378
 State control act of 1967—
 hearings, 12306
 message from the President, 16161

INDEX 1967

Firefighting vehicles:

aircraft fire and rescue truck, 1000-gallon, guide specification, 10246
full-scale fire modeling test studies of light water and protein type foams, 17092

MB-5 aircraft fire-fighting and rescue vehicle, engineering observations, 9999

Firemen (firefighters):

District of Columbia—

examination announcement, amendment, 1912

include members in Police Department band, report, 7687

retirement benefits, equalize for totally disabled, report, 9129

salaries, increase, law, 514

survivor benefits for widows of retired members, report, 10558

Federal employees—

premium compensation, correction of inequities—

law, 450

report, 915

retirement, include within provisions of United States Code relating to hazardous occupations, hearing, 16429

Fireplaces and chimneys, construction, design, etc., 8825

Fires:

air handling systems and fire protection, 12594

apartment dwelling units, field burnout tests, 18075

Apollo accident—

hearings, 6088-89, 9299, 10796, 12316, 12396

reports of review board, 9931, 17020

charring rate of selected woods, transverse to grain, 11132

combustibility of materials in oxygen-helium and oxygen-nitrogen atmospheres, 5706

emergency escape system, 6796

Federal Fire Council recommended practices series, 8151

Federal fire experience, 16679

fire and explosion prevention and protection, 8295

fire performance of wood, wood products, etc., publications, list, 14081

fire prevention, off the job safety, 16810

fire prevention program, cotton warehouse, 13237

fire-retardant heat insulator, dispersion of borax in plastic, 8384

full-scale fire modeling test studies of light water and protein type foams, 17092

hazard inspecting procedures in Butte County, Calif., evaluation, 14109

protection problems for special atmospheres, including oxygen, 17816

protective passenger smoke hood, aviation medical report, 14812

research and safety act of 1967—

hearings, 10525, 13715

reports, 14934, 15103, 16257

safety programs, Federal Fire Council film library, list, 14164

salvage of fire and water damaged records, SBA, Minneapolis, Minn., 14165

ships, improve protection, amendments to International Convention on Safety of Life at Sea—

report, 7773

text, 6062

see also Forest fires.

Firestone Tire and Rubber Co., wage chronology, 1939-66, Akron plant, 8301

Firms, see Business.

Firm, see Snow.

Fiscal policy, see Finance.

Fiscus, Clifford H., pelagic fur seal investigations, 14062

Fish, George E., Jr., Clifton hematitic sandstone deposits, Butt Mountain area, Va., 12819

Fish and fisheries:

Alabama landings, 3024, 16616

Alaska, 1965, annual summary, 9512

blood chemistry of fishes, bibliography, 17783

California landings, 3073

canned fishery products, annual summary, 8016, 9506

Chesapeake fisheries, 1965 annual summary, 9504

coastal and fresh water fishery resources, survey, report, 17628

code of Federal regulations, 9486

collections by exploratory fishing vessels, Oregon, Silver Bay, etc., in southwestern North Atlantic, 1956-60, correction, 5035

commercial fisheries abstracts, 3109

commercial fisheries, New England, 15255

commercial fisheries review, 3110

Communist China, Committee of Fishery Research of West Pacific, 7th plenary conference, 9626

conservation, career preparation, 6351

conservation notes, 15255

conservation, protection and propagation of endangered native species of fish, law, 358

cooperative fishery units—

annual report, 16626

program, 6347

current fishery statistics, CFS series, 1074-75, 3024, 3073, 3335-36, 3338, 3363, 3378, 3386, 3530, 3533, 3545-46, 3553, 3564, 3621, 3628, 3638, 3836, 3876, 3884, 3934, 4038, 8013-18, 9502-13, 11072-74, 12540-544, 14054, 16610-618, 17769-771

duty changes in fishery products resulting from Kennedy Round of GATT negotiations, 12544

esocids, interspecific hybridization, batching success, pattern development, and fertility of F₁ hybrids, 12551

establish fishery zone, law, 381

exploratory fishing and gear research, report, 2275

fish and wildlife programs, 6348

fish, buying guide, and recipes for school lunches, quantity amounts, 15257

fish control investigations, 8033, 16624

fish distribution reports, 6349

fish, good choice for thrifty family, food value, use, recipes, 9347

fish habitat characteristics of streams, technique for sampling, 17806

fish passage report, Bonneville, The Dalles, McNary and Ice Harbor Dams, 13974

fisheries, agreement with Japan, 15794

fishery associations in United States, list, 14057

fishery bulletins, 8020, 11077

list, 8024

fishery cooperatives in United States, list, 14058

fishery industrial research, 2276, 6350, 12546

fishery leaflets, 1076-77, 8021-24, 14057-59, 15256, 17774

list, 8022

fishery marketing development series, 8025-26, 9515, 15257

fishery products—

imports and exports, annual summary, 1074, 16612

industrial, annual summary, 8015, 9507

packaged, annual summary, 8014

processed, annual summary, 11072

fishery statistics, 14069

Flathead Lake, Mont., 1961-64 investigations, 4811

Florida landings, 3338, 16611

food fish—

situation and outlook (periodical), 3341

propagation and distribution, 6349

freezing fish in home, 31

Fish and fisheries—Continued
 fresh fish, effect of gamma rays on changes in properties, 9669
 fresh-water fish, irradiation preservation, 1784
 frozen fish, monthly report, preliminary, 3362
 frozen fishery products, 3363, 9509
 Georgia landings, 3378, 16613
 graduate educational grants for fishery research, 1968-69, 17774
 Great Lakes convention, amending agreement with Canada, report, 6064
 Great Lakes, 1965 annual summary, 9502
 Gulf fisheries, 1965 annual summary, 8018
 hatchery at Wolf Creek Dam, establish, hearing, 10665
 king crab fisheries, agreement with—
 Japan, 7185
 Union of Soviet Socialist Republics, 11857
 Louisiana landings, 1075, 3530
 Maine landings—
 annual summary, 12541
 monthly, 3533
 marking fish with dyes and other chemicals, 4812
 Maryland landings, 3545, 17770
 Massachusetts landings, 3546, 12543
 Michigan, Ohio, and Wisconsin landings, 3553, 11073
 Middle Atlantic States fisheries, 1965, annual summary, 8017
 Mississippi landings, 3564, 16615
 Mississippi River fisheries, 1965, annual summary, 9513
 monolayers for evaporation control of water, effect on insects, 7102
 more fishing space, 7292
 New England fisheries, annual summary, 9503
 New England offshore fisheries, brief history, 8021
 New Jersey landings, 3621, 12540
 New York landings, 3628, 14054
 North Carolina landings, 3638, 17771
 northeastern Pacific Ocean off U.S. coast, agreement with USSR, 11858
 northwest Atlantic, international convention of 1949, multilateral understanding, protocol, 2896
 Oregon landings, 17769
 Pacific Coast fisheries, 1965, annual summary, 9510
 packaged fishery products, 8013, 9508
 Polar Scientific Research Institute of Sea Fisheries and Oceanography, USSR, activities, 6551
 pollution-caused fish kills, annual report, 17765
 progressive fish-culturist, 3778
 cumulative subject and author index, 1081
 protein concentrate, experiment and demonstration plants, law, 415
 publications, price list, 18149
 radiation-pasteurization, 13348
 rare and endangered fish of U.S., list, 2281
 recipes—
 fancy catfish, 8025
 let's cook fish, complete guide to fish cookery, 9515
 low-calorie, seafood slimmers, 8026
 type A school lunches, quantity amounts, 15257
 research reports, 11090, 17783
 Rhode Island landings, 3836, 12542
 sanitation standards for smoked-fish processing, fish-smoking establishments, 1967 recommendations, 11759
 shrimp landings, 16610
 smoked fish plants, steps to effective sanitation, 9514
 errata, 16619
 South Atlantic fisheries, 1965, annual summary, 9505

Fish and fisheries—Continued
 South Carolina landings, 3884, 16614
 special scientific reports, fisheries series, 8035-41, 9520, 12549, 14062-66, 16627-632, 17786
 sport and commercial, estuarine areas, preserve, etc.—
 hearings, 4635, 9164
 report, 695
 sport fishery abstracts, 3891
 sport fishery research, 1966 progress, 12548
 statistical digest, 14069
 Texas landings, 3934
 toxicity of various compounds to fishes, 16624
 United States fisheries, annual summary, 11074
 USSR—
 economic-mathematical and cybernetic research at AtlantNIRO, 1202
 fishery research on Antarctic krill, 15345
 ichthyology, basic goals in current 5-year plan defined, 6522
 Vietnam, off-shore fishery development project, agreement with FAO, 17238
 Virginia landings, 4038, 16618
 water resource projects, cost sharing grants, report, 16368
 see also Diseases of fish—also names or classes of fish.
 Fish and Wildlife Service:
 circulars, 2275, 4801, 6346, 8019, 9514, 11075-76, 12545, 14055, 16619-20, 17772-773
 list, 8023
 fishery bulletins, 8020
 errata, 11077
 list, 8024
 fishery leaflets, list, 8022
 fishery marketing development series, 8025-26, 9515, 15257
 press releases, 3731
 refuge leaflets, 1078-79, 2277-79, 4803-6, 6353-55, 8027-32, 9516-19, 11079-89, 12547, 14060, 15259-265, 16622, 17775-782
 regulatory announcements, 1080, 14061, 16623
 special scientific reports—
 fisheries series, 8035-41, 9520, 12549, 14062-66, 16627-632, 17786
 wildlife series, 4809-10, 6357, 12550, 14067-68, 15268, 16633-635
 Fish as food, see Fish and fisheries.
 Fish culture, see Fish and fisheries.
 Fish disease leaflet FDL (series), 4802
 Fish hatcheries, see Fish and fisheries.
 Fish meal:
 production—
 annual summary, 16617
 monthly reports, 3335
 Fish nets, trawl, North Atlantic, 15256
 Fish oil:
 production—
 annual summary, 16617
 monthly reports, 3335
 Fish ponds, rearing marketable channel catfish, 6356
 Fish sticks and fish portions:
 annual summary, 9511
 current fishery statistics, 3336
 Fisher, Douglas M., displacement gage for crack-extension measurements, 1513
 Fisher, H. H., crops research, Department of Agriculture, cacao clone collection, 10148
 Fisher, Joseph L., perspective on natural resources and human resources, 6597
 Fisher, Lloyd J., water-landing characteristics of model of winged missile, 9872
 Fisher County, Tex., soil survey report, 2877
 Fisheries, see Fish and fisheries.
 Fishermen protective act of 1967, report, 15008

- Fishermen's and fish shore workers' unions:
list, 14059
rights in sale of fish, etc., 945
- Fishery marketing development series, 8025,
9515, 15257
- Fishery products, *see* Fish and fisheries.
- Fishery Services Division:
annual reports, 16625, 17784
cooperative fishery units, annual report,
16626
- Fishes, *see* Fish and fisheries.
- Fishing, *see* Fish and fisheries.
- Fishing gear, research, report, 2275
- Fishing vessels:
construction for nonsubsidized fishing
fleets, hearing, 946
Miller Freeman, fishery research of U.S.,
description, etc., 11076
Oregon, Silver Bay, Combat, and Pelican,
exploratory collections made in south-
western North Atlantic, 1956-60, cor-
rection, 8035
United States, foreign seizures, amend
act—
hearing, 15045
report, 15008
Walter Herwig, West German research
vessel, description, 17772
- Fishmeal, *see* Fish meal.
- Fishponds, *see* Fish ponds.
- Fission, *see* Nuclear fission.
- Fission products, nuclides, identification for
dose calculations following reactor acci-
dent, 13349
- Fissionable materials systems critical pa-
rameters, and nuclear safety, USSR book
excerpts, 15408
- Fitsock, John F., wages and related benefits,
metropolitan areas, 1965-66, occupational
earnings, supplemental practicea, 5056
- Fitt, Alfred B., nomination, hearings, 17639
- Fittings (auxiliary parts):
conduct, Federal Item Identification guide,
15183
Federal item identification guides for
supply cataloging, supplements, 3287
instrumentation fittings pressure testing,
portable fixture facilitates, 11458
- FitzSimmons, V. G., dry-film lubricants from
molybdenum disulfide bonded with micro-
fibrous boehmite, 10001
- FitzSimmons General Hospital, Medical Re-
search and Nutrition Laboratory, reports,
120-122, 5753-54, 7412-15, 10295, 14806-
807
- Fix new clothes to make them last longer,
7287
- Fixtures (for offices, etc.):
fixture tests bellows reliability through
repetitive pressure/temperature cycling,
11448
- Flack test, 7360
- Flagella, structural organization and bio-
chemical basis of movement, USSR study,
12696
- Flagg, E. E., off-design performance of axial
flow turbines, 8411
- Flags:
national flags and ensigns, poster, 14569
our flag, story, etc., 519
print as House document, reports,
13652, 13819
pennants and customs, naval service,
change, 18103
State flags, reproductions, 519
United States—
presentation for deceased members of
National Guard and Ready Reserve,
report, 16229
prohibit desecration—
hearings, 10661
reports, 12257, 12264
flame photometry, *see* Photometry.
- Flame proofing, household fabrics, 10177
- Flames:
characteristics causing air pollution,
production of nitrogen oxides and car-
bon monoxide, 8378
flame fuels, Army technical manual, 105
flame spectroscopy analytical applications,
1800-1966, 8519
- Flaming Gorge Dam, general information,
11772
- Flaming Gorge Recreation Area, general
information, 15611
- Flammability, *see* Inflammable materials.
- Flammable fabrics, *see* Textiles.
- Flammable gases, *see* Gases.
- Flamsteed, AIC 75A, lunar chart, 7326
- Flanges:
axially misaligned, spherical joint con-
nects, 15543
feed-thru, useful in vacuum, applications
to cryogenic temperatures, 6778
spherical pipe joint delivers loads equally
to mating flange, 6823
- Flaps (aircraft):
blowing over flaps for boundary-layer con-
trol, investigation over moving ground
plane of transport model, 14477
- Flashblindness, *see* Blindness.
- Flathead Indians:
Confederated Salish and Kootenai Tribes
of Flathead Reservation, funds, dispo-
sition—
law, 10480
reports, 7779, 9115
- Flathead Lake, fishery investigations, 4811
- Flatjacks, deformation methods, deep mine
stress determinations, 6676
- Flatware, stainless-steel, Tariff Commission
reports, 1646, 17255
- Flavoring extracts, synthetic flavor, produc-
tion and sales, 14703
- Flux, Lawrence, ultrasonic attenuation for
free electrons in presence of magnetic field,
2705
- FLC, *see* Federal Library Committee.
- Fleas, controlling, 5633
- Fleet, *see* Merchant marine.
- Fleet Marine Force, Medical Department
support, 5092
- Fleet Marine Force manual FMFM series,
2533, 6624-25, 8331, 12781-782, 15460,
16839-841
- Fleming, Joe W., II, nomination, hearing,
6125
- Fleminger, Abraham, taxonomy, distribu-
tion, and polymorphism in Labidocera joi-
lae group, etc., 8544
- Fletcher, Herman S., manual method for
control of thrust axis during planar as-
cent from lunar surface to circular orbit,
1490
- Flexible liners for underground support,
5128
- Files:
Baluchistan melon fly, new plant pest,
8841
caddis, neotropical—
Mexican and Central American species,
11611
species described by Ulmer and Brauer,
5311
types of species described by Banks and
Hagen, 14542
- Diptera (Anisopodidae and Bibionidae)
from Dominica, new species, 6962
- Diptera, Empididae, Neridae, Platystoma-
tidae, Sepsidae, Muscidae, from treetops
in Malaya, 5313
- Drosophila, metabolic rate and longevity—
at different population densities, 9923
remarks and review of literature, 9925
eradication agents investigated, USSR
study, 4967
genus Harmatonia (Diptera, Dolichopodi-
dae), 12999
house fly, how to control it, 1700

Flies—Continued

pine sawfly *Neodiprion excitans* Roh, description, control, etc., 11104
soldier fly larvae in America north of Mexico, 6957

Flight:

aerospace safety (periodical), 2993
alcohol & flying don't mix, 14811
blind flight instrument, non-gyroscopic, in-flight response, 141
breathing in flight, the higher you fly the less air in the sky, 8920
characteristics—
 aspect-ratio-6, conical-parawing utility vehicle model, wind tunnel investigation, 5229
 supersonic transport during landing approach with jet transport in-flight simulator, 12926
dynamic behavior of ballasted sphere at Mach number 0.4 to 14.5, 18029
electronic control systems, lunar-landing research vehicle, operational experience, 1496
entry flight aerodynamics from Apollo mission AS-202, 17009
fluid flight path control system, study, 16890
flying helicopters over mountains at night, guidance systems tested, 8089
free-flight characteristics of ground-effect machine, 9880
free-flight drop-test, paraglider configuration having large tapered leading edges and keel, 1475
general aviation flight plan, miscellaneous statistics, 7952
high-altitude, decompression sickness, 14778
inflight biochemical responses utilizing parotid fluid collection technic, determination, 4187
information, civil aviation, Government publications, lists, 7059
information manual, international, 3435, 10244A
 amendments, 4189, 15903, 17365
information publications, dates of latest editions, 3192
inspection manual, changes, 1082, 9448, 16563
instructors, certification, Federal aviation regulations, 1040, 4758, 6239, 7949, 10991, 12494, 14005, 16554
investigation, landing task in jet trainer with restricted fields of view, 11553
low speed, V/STOL height control requirements under visual conditions, 11524
MAC flyer (periodical), 3531
maneuver speed increases of SST configuration in relation to speed margins—simulator investigation, 16972
mechanics, application of programming to optimization problems, 11572
military manuals, prototype specification, development, 2784
of flight and bold men, 5704
performance of non-instrument-qualified light-aircraft pilots during instrument flight, stability augmentation system, effects, 11519
pitch maneuver speed margins for supersonic transport configuration with variable-sweep wing, investigation, 17000
rules, Federal aviation regulations, 2236, 7951, 10995, 12495-496, 14006
simulated altitude and aerospace flights, normal human serum parameters, 8468
test, XV-11A aircraft, description, etc., 11997
testing of aircraft, theoretical principles and modern methods, 8509
training, air navigation, Air Force manual, change, 13254

Flight—Continued

training, under cold war G1 program—
 hearings, 10859
 law, 16133
 report, 10792
yaw coupling in turning maneuvers of large transport aircraft, 11494
see also Aircraft—Astronautics—Instrument flying.

Flight crews:
 aircrew morale, factors affecting, 2d study, 4184
 aircrew station vision requirements for military aircraft, military standard, 16470
 aircrew survival equipmentman (PR) 3 & 2 and (PR) 1 & C, supplement, 11652
 members other than pilots, certification, Federal aviation regulations, 7950, 10992
 station signals, military standard, 17700

Flight engineers, written examination guide, 2282

Flight navigators, *see* Aviators.

Flight simulators:
 F-4C, flashblindness experiment, 1738
 jet transport, determination of flight characteristics of supersonic transports during landing approach, 12926
 research, for investigating jet transport handling qualities and airworthiness criteria during take-off, validation, 1476
 yaw coupling in turning maneuvers of large transport aircraft, study, 11494

Flight Standards Service, Maintenance Division, general practices and procedures, FAA handbook, 16560

Flint, Oliver S., Jr., neotropical caddis flies, 5311, 11611, 14542

Flint Hills, Kans. and Okla., bluestem and Osage pasture report, 14692

Flood, Daniel J., Isthmian Canal policy, etc. (addresses), 520

Flood control, *see* names of certain rivers.

Flood insurance, *see* National flood insurance.

Flood season flow, Columbia River near The Dalles, 3907

Floods:
 Columbia River, flood season flow near the Dalles, 3907
 control improvements, rivers and harbors, compilation—
 departmental edition, 1025
 document edition, 516
 control, laws relating to, compilation, 1989
 control, rivers and harbors—
 and multi-purpose projects, public works authorizations—
 law, 493
 report, 698
 omnibus bill, 1966, hearings, 751
 emerging program for managing losses, 13162
 Fairbanks, Alaska, Aug. 1967, report, 17675
 flood-plain planning, information, 9567
 floods and flood warnings, general information, safety rules, etc., 7936
 floods of 1964 (series), 15314
 hydrologic performance of floodwater retarding structures during Colorado storms of June 16-17, 1965, report, 14651
 measurements of peak discharge of streams by—
 indirect method, techniques, 11184, 14176
 slope-area method, techniques, 11185
 northwestern Montana, 15314
 Nov. and Dec. 1965 in southern California, 1115
 prevention, authorized watersheds, 14650
 routing, SC's national engineering handbook, 10087

Floods—Continued

- United States, magnitude and frequency—
- Missouri River basin above Sioux City, Iowa, 1129
- Pacific slope basins in California, 11188, 14177
- South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River, 2374
- waterflood performance, theoretical and field, Kane oilfield, Pa., 9769
- errata, 12814
- see also names of rivers, etc.
- Floor coverings, 18th century America, 14530
- Floors and flooring, raised floor systems, Army technical manual, 10272
- Flora, see Intestinal flora—Skin flora.
- Florence County, Wis., Menominee Iron-bearing district, geology, 6398
- Flores, Paul S., basic data on economy of Mexico, 14882
- Flores, Y. Marjorie:
 - clerk-hire payroll status, investigation—hearings, 4544
 - rep. rt., 4517
- Flores-Vasquez, Carlos R., relief, 10549, 13780, 14896
- Floriculture, marketing and other economic information, bibliography, 7885
- Florida:
 - census of manufactures, 1963, area statistics, 1835
 - census of mineral industries, 1963, area statistics, 5825
 - climatological data, 3096
 - conveyance of real property to, hearing, 2042
 - county business patterns, 4309, 13368
 - drilling on continental margin (series), 15311
 - east coast, lights and fog signals, list, 5331, 9972, 14578
 - eastern, coastal warning facilities chart, 8790
 - electric rate book, 11020
 - Gulf County Canal, Gulf Intracoastal Waterway, engineer report—departmental edition, 2269
 - document edition, 1998
 - landings, fish and shellfish, 3338, 16611
 - marketing vegetables, 1966 summary, 7839
 - mineral industry, minerals yearbook chapter, 5110
 - northern, Gulf Series in subsurface, 16692
 - precipitation data, hourly, 3401
 - sandhills, loss of topsoil slows slash pine seedling growth, 14119
 - seismic reflection profiles along drill holes on continental margin, 15311
 - slash pine, summer planting shows promise, 8118
 - south, slash pine—
 - comparative fire resistance of 2 seed sources, 9546
 - performance of 2 varieties, 9543
 - west coast, Gymnodinium breve, 1964–65, distribution and occurrence, 8039
- Florida Keys, national wildlife refuges, birds, list, 17780
- Florissant Fossil Beds National Monument, establish. report, 15005
- Florists, retail industry, graphic view, marketing and management practices, 13228
- Flosmaris, see Sea anemones.
- Flotation:
 - continuous, of fluorspar from calcareous Illinois ore, 14339
 - hematite ores of Marquette Range, Mich., laboratory and pilot plant development, 14335
 - methods, use for reexamination of non-magnetic taconite occurrences, 14346
 - selective, of Illinois ore, 11382
- Flotation characteristics of aircraft passenger seat cushions, 137

Flourishers, radiation-pasteurization processes, 13348

Flour:

- domestic wheat flour bulletin, 3214
- export wheat flour—
 - port bulletin, 3253
 - price bulletin, 3254
- Flour mills:
 - milling industry, organization and competition, revised page, 5297
 - products, current industrial reports, 3169, 14828
- Flow:
 - accelerated boundary layer measurements near Mach 1, 8497
 - air, equations for rapid machine computation of equilibrium composition, and derivatives for flow-field calculations, 16973
 - airflow, high-temperature dissociated, effects of nitrogen injection into boundary layer on graphite surface, 12964
 - apparatus with glass electrodes, 12734
 - axial-flow—
 - compressor-inlet stages under high loading, aspect ratio and curvature variations, 9916
 - liquid-core nuclear rocket employing radiation heat transfer, heat- and mass-transfer characteristics, 14497
 - pump, 2-stage, with tandem-row inlet stage, blade-element performance, 11513
 - turbines, off-design performance, analytical procedure and computer program, 8411
 - boundary-reflected-disturbance lengths, determination in Langley 16-ft. transonic tunnel, 16991
 - characteristics of gas flowing axially through constricted arc, numerical calculations, 12955
 - choked inlet, characteristics for turbojet engine, 11499
 - cold and arc heated, gaseous core nuclear rocket mixing characteristics, simulation, 12848
 - concentration measurements of injected gas in supersonic stream, 8489
 - condensing mercury flow in 0- and 1-G environments, photographic study, 12939
 - coupled vibrational-dissociational flows of oxygen over wedge, effects of measured dissociation-rate constants, interpretations, 12943
 - electron, in low-density argon gas including space-charge and elastic collisions, 14480
 - exhaust, deflected, and clustered rocket engines effects, 1422
 - expansion and flow characteristics of initially saturated sodium, potassium and cesium vapors, 2717
 - fields about delta and double-delta wings, at low speeds, 6724
 - fluid—
 - forces on sphere moving steadily along circular path in viscous fluid, 10258
 - in pipeline, forced discontinuous oscillations, 6912
 - small volume, miniature valve accurately controls, 5142
 - ultrasonic energy effects, in porous media, 14336
 - free-molecule—
 - and surface diffusion through slots and tubes, summary, 8508
 - microscopic spheres in, drag coefficients, 11407
 - frequency response of forced flow single-tube boiler, 12952
 - gas in chemical nonequilibrium, numerical integration methods for computing, 15568

Flow—Continued

gaseous-hydrogen system, dynamic response and application to high-frequency combustion instability, 12953
 hot wire techniques in low density, flows with high turbulence levels, study, 6841
 hydrodynamically rough surfaces, roughness-concentration effects, 4892
 hypersonic—
 free-stream atom concentration, use of self-calibrating catalytic probes to measure, 11408
 transition fixing, 18011
 viscous, past slender cone, 9927
 incidence and Reynolds number effects on force characteristics of family of flat-front cylinders, 9903
 irrotational, of frictionless fluids, mostly of invariable density, 11682
 isentropic, solutions for reacting gas mixtures in thermochemical equilibrium, 16979
 jet, effect on refraction of sound, 14389
 laboratory studies of open-channel flow (series), 4892
 laminar—
 analysis of film boiling from horizontal wire, 14456
 and superlaminar regimes, journal bearings, steady-state and dynamic properties, 9803, 12849
 and turbulent, friction coefficients, correlation with ratios of surface bulk temperature, 17014
 separations, using Crocco-Lees mixing parameter, analytical method, investigations, 9806
 steady state, boundary conditions for stainless steel coiled-capillary viscosimeter, 14350
 liquid-metal flow, heat-transfer analysis in rectangular channels with heat sources in fluid, 6883
 local measurements in turbulent flows through cross correlation of optical signals, 8462
 low rate flow switch can be used for gas or liquid, 8477
 methods for predicting in shock layer over bodies at small angles of attack, 11507
 nonwetting, condensing mercury flow in horizontal, sodium-potassium-cooled tubes, heat-transfer, experimental investigation, 11541
 open-channel, free surface instability correlations, 4892
 parametric study of advanced multistage axial-flow compressors, 11419
 photographic method measures particle size and velocity in fluid stream, 6826
 properties and drag coefficients family of blunt bodies, 18056
 radial-flow gas generator, design and fabrication, 8409
 rarefied, effect of hypersonic viscous drag on cones, 12949
 rotor-inlet flow conditions, control by guide vanes, 5275
 secondary jets from 2-dimensional nozzles, investigation for hypersonic control application, 5266
 separated and attached boundary layers, on ablating and nonablating models at Mach 13.8, 12954
 steam-water in heated vertical channel, final report, 7430
 stream, amount of contaminant in, effectively controlled by valve, 6838
 superlaminar, between nonconcentric rotating cylinders, 12852
 supersonic—
 gas flow around blunt bodies, 12974
 mixing of hydrogen and air, 9807
 oscillating cone problem solved by small perturbation techniques, 6849

Flow—Continued

supersonic—continued
 three-dimensional unsteady potential, flutter analysis of flat rectangular panels, 6910
 wings and wing-body combinations in, integrated approach to analysis and design, 1493
 tension shell configurations, investigations, 5270
 test device fits into restricted access passages, 9840
 thermoviscous media, propagation of waves of finite amplitude, 1434
 through turbines, computer program performs, analysis, 1472
 transient flow subsequent to diffraction of normal shock wave by sphere, 17015
 turbulent—
 drag reduction by dilute polymer solutions, 14592
 magnetohydrodynamic, in prismatic and cylindrical pipes, 11571
 pipe flow of Newtonian fluid, injection of drag-reducing fluid, 14398
 separated, investigation in vicinity of fin-type protuberances, 6857
 two-phase—
 metastable state, study, 6419
 pseudo-sonic velocity and pseudo-Mach number concepts, 2712
 through abrupt expansions and contractions, final report, 7431
 upstream discontinuities influence on acoustic power radiated by model air jet, 6714
 velocities and streamlines, calculating for 2-dimensional, incompressible flow in axial blade rows, 5245
 velocity measurements, tracer-spark technique, structure of spark columns in hypersonic stream, 12856
 viscous, singular perturbation problems, asymptotic expansions method, 9885
 vorticity meter, non-rotating, 16910
see also Vortex flow.
 Flow controllers, throttling elements in flow of compressible gas, USSR study, 4962
 Flow of water, *see* Hydraulics.
 Flowers, L. C., reverse osmosis membranes containing graphitic oxide, 6444
 Flowers:
 demand for flowers-by-wire, 10179
 growing flowering annuals, 15853
 insects, control, 17307
 production and sales, etc., 10108
 see also Floriculture—Horticulture.
 Flowmeters:
 circuit automatically calibrates flowmeter against liquid-level gage reference, 17986
 laser Doppler, measures gas velocity, 6847
 liquid-hydrogen turbine type, simulation of calibrations using high-pressure gas, 5251
 low gas-flow rates, measuring and recording, 2677
 measures flow rates of high temperature fluids, 2650
 turbine type—
 in liquid hydrogen, performance, 2728
 theoretical model for determining sensitivity, 12905
 use in determining mix ratio for viscous adhesives, 17988
 Flu-cured tobacco, *see* Tobacco.
 Flu-Cured Tobacco Cooperative Stabilization Corporation, operations, hearings, 15013
 Flu dust:
 fly ash—
 coagulant aid in water treatment, 2573
 utilization, symposium, proceedings, 14329

- Flue dust—Continued
 - germanium and gallium extraction from coal fly ash and phosphorus flue dust, 9789
- Fluent handling material, *see* Handling equipment.
- Fluid amplifiers:
 - state-of-the-art report, bibliography, 11400
 - use for digital computation systems, feasibility study, 12907
 - see also* Amplifiers.
- Fluid flow, *see* Flow.
- Fluid logic control circuit operates nutator actuator motor, 6759
- Fluid power, Navy training course, 5338
- Fluid process, fluid handling, classification definitions, 18126
- Fluid state hydraulic damper, 10286
- Fluidic oscillator used as humidity sensor 8473
- Fluidic systems design manual, 15955
- Fluidization, fluid-bed fluoride volatility process recovers uranium from spent uranium alloy fuels, 9793
- Fluids:
 - boiling in discrete bubble region, effects of fluid properties and gravity level, 15562
 - cooling-lubricating, Hungarian research results in development for metal-working, 14232
 - electromechanical instrument continuously measures density of flowing fluids, 9844
 - electrostatic hazards in fluid system, test instrumentation for evaluating, 11474
 - equilibrium critical phenomena, 1521
 - fluid power, Navy training course, 5338
 - high temperature, flow rates, measured with flowmeter, 2650
 - homogeneous mixture, stationary device produces, 5221
 - hydraulic fluid serves as mandrel for small diameter refractory tube drawing, 5151
 - improved control circuit operates on low power input, 9627
 - injection of drag-reducing fluid into turbulent pipe flow of Newtonian fluid, 14398
 - non-destructive fluidic control device, research, 11409
 - planetary gear system to control fluid mixture ratio, conceptual stage, 5201
 - thermodynamic properties, calculating from empirical equation of state, 9776
 - see also* Body fluids.
- Flukes, Trematoda, index-catalog, 13205
- Flumes, transport of coarse sand, 16695
- Fluorescent antibodies for rickettsia detection, USSR, 12666
- Fluorescent excitation using isotopic X-ray emission, 5779
- Fluorescent lamps, *see* Electric lamps.
- Fluidization:
 - census, 13074
 - National Dental Health Assembly emphasis, 5449
- Fluorides:
 - fluid-bed volatility process recovers uranium from spent uranium alloy fuels, 9793
 - fused-fluoride lubricant coatings, additions, for reduction of low-temperature friction, 5265
 - xenon, as fluorinating agents, 12836, 12839
- Fluorination:
 - beryllium, kinetics, 12928
 - xenon fluorides as fluorinating agents, 12836, 12839
- Fluorine:
 - balance, determination in electrolysis of aluminum, USSR study, 9645
 - fluorine and fluorine-oxygen mixtures in rocket systems, handling and use, 11425
 - (d, α) reactions on fluorine 19, interpretation, 9873
 - xenon forms stable compound, 5139
- Fluorocarbons, gamma radiation effect on reaction of anthracite with fluorine and chlorine, 2585
- Fluorospir:
 - continuous flotation from calcareous Illinois ore, 14339
 - Eastern States production, consumption, etc., 16853
 - mineral industry survey, quarterly, 3340
 - New Mexico deposits, 2540
 - production, 1966, preliminary report, 5103
 - selective flotation of Illinois ore, 11382
- Flutter (aircraft):
 - comparison of panel flutter results from approximate aerodynamic theory with results from exact inviscid theory and experiment, 1480
- flat rectangular panels, analysis based on 3-dimensional supersonic unsteady potential flow, 6910
- flexible, towed tension shells, 9818
- propeller-rotor whirl, review, 12971
- towed rigid decelerators, theory and tests, 9814
- Flux:
 - crystal microbalance measures condensable molecular fluxes, 6744
 - infrared radiation from air to underlying surface, 2972
- Fly ash, *see* Flue dust.
- Flyby measurements of profiles of water vapor, particulate matter, and carbon dioxide in Martian atmosphere, 15569
- Flying, *see* Flight.—Instrument flying.
- FM (radio), *see* Radio frequency modulation.
- FM carrier deviation measured by differential probability method, 12917
- FMC SP series, 2246-47, 6258-60, 7968-72, 9456, 11016, 16577-579
- FNMA, *see* Federal National Mortgage Association.
- Foam:
 - aerobic-bacteria culture apparatus employing new foambreaker, 10007
 - fractionation of inorganic solutions, 12642
 - light water and protein type foams, full-scale fire modeling test studies, 17092
 - sulfur, low density, preparation of, 17379
- Foam spray-dried milk, *see* Milk.
- Foerster, Edward F., heat content of some blast-furnace and synthetic slags, 6675
- Fog:
 - dispersal experiments using propane, Walla Walla, Wash., 11984
 - forecasting, use of atmospheric-electricity recordings, 8590
 - improving visibility during periods of supercooled fog, 7381
 - photographing water droplets to measure size, 4202
 - preventive compounds, military standard, 16471
 - protect fog drops, warm fog properties and fog modification concepts, 6712
- Fog signals:
 - Naval Oceanographic Office, list—
 - Baltic Sea with Kattegat, etc., 1539, 7005, 11645, 18101
 - British Isles, etc., 5334, 11644
 - Europe and Africa, west coast, etc., 1538, 5333, 11643, 18100
 - Greenland, etc., 5331, 9972, 14578
 - North and South America, west coast, etc., 1537, 7004, 11642, 18099
 - Norway, Iceland, and Arctic Ocean, 5335, 8572
 - Pacific Ocean, western, etc., 5332, 9973, 14579
- Fogarty, John E., memorial services, 9030
- Fogel, Sander H., address, June 16, 1966, 8045
- Foley, James M., shipments of liquefied petroleum gases and ethane, 15484
- Folger, John K., education of American population, 14833

Foliage, see Leaves.
 Folklore, classification, Library of Congress, 5086
 Folkman, William S., evaluation of fire hazard inspection procedures in Butte County, Calif., 14109
 FOMC, see Federal Open Market Committee.
 Fontana, Anthony, effect of planetary albedo on solar orientation of spacecraft, 16985
Food:
 additives, FDA's life protection series, 9522
 affiliated wholesalers, comparison of financial operating data, 4123
 anticipating year 2000 (address), 15844
 Army adviser, technical manual, 14802
 background on farm and food prices, 15845
 bacteriological examination of utensils, etc., procedure, 17164
 buying, how to use USDA grades, 5671
 code of Federal regulations, 6276-79
 consumption, households in United States, spring 1965, preliminary report, 15826
 daily guide, some choices for thrifty families, 7837, 9333
 donated for distribution abroad—
 processing claims against voluntary relief agencies for loss on misuse, GAO report, 12589
 transportation costs, GAO review, 9550
 donation programs administered by nonprofit voluntary relief agencies, extent of audits, GAO report, S149
 East European industries, translations, 3954
 family stockpile for survival, 1697
 farm food marketing bill and its components, 6170
 fish, situation and outlook (periodical), 3341
 food and agriculture act of 1965, amend. report, 15087
 food and fiber for future, report, 13063
 food and fiber in Nation's politics, 17123
 food and people, what we can do (remarks), 1694
 food and your weight, 14744
 food costs, farm prices, information relating to agriculture, 13694
 food, drug, and cosmetic act—
 amended, text, 1083
 enforcement and compliance, FDA report, monthly, 3268
 notices of judgment, 3644
 requirements guide for foreign manufacturers, etc., 17790
 food for fitness, daily guide, 10175
 food for freedom—
 monthly news report on activities under PL 480, 3342
 program (address), 26
 food for peace act of 1966, law, 512
 food for progress in Latin America, report, print additional copies, report, 12241
 food for the young couple, 15852
 food service management, Air Force manual, 8857
 food we eat, 7279
 fortified foods, special dietary foods, FDA fact sheet, 6359
 freezing, combination main dishes, 17313
 fresh rapid decompression and exposure near vacuum conditions, 1735
 gamma irradiated, effect on monkeys, USSR study, 6571
 Government-donated, distribution in Pennsylvania, GAO report, 6381
 grade names used in USDA, list, 14737
 help developing countries to increase production, picture story, 17332
 home canning, helpful Government publications, list, 15673
 how safe is our food? 9523
 hunger is ahead in race between hunger and hope, picture story, 17331
 import detentions, report, 3820

Food—Continued
 India, increasing supply—
 hearings, 7792, 9138
 law, 9037
 reports, 7783, 9083, 9085
 India, to stave off threat of famine, proposal that U.S. join international group to help, message from the President, 5996
 irradiation—
 check list of cost considerations (address), 5807
 food products, installation for, USSR study, 9663
 program, review, hearing, 1975
 radiation preservation, conference, 13318
 radiation preservation, developing technology of irradiation (remarks), 4242
 radiation preservation symposium, 1783
 selected products in Atomic Energy Commission's low-dose program, cost-benefit study, 10302
 6th annual AEC contractors' meeting, 5768
 Latin America, food for progress, report on agricultural development, 13701
 manufacturing, structure, report, erratum, 5298
 marketing industries, recent and prospective structural changes, 988
 marketing, special studies, errata, 9947
 national food buyers quiz, questions and answers, 963
 national food situation, 3596
 needs and U.S. agriculture in 1980, analysis of land, labor and capital requirements, etc., 17122
 new food aid program, general information, 4127
 nonperishable, savings attainable in use and pricing, Defense Dept., GAO report, 2352
 nutritious food on emergency basis to any individual to prevent human suffering provide—
 hearing, 17587
 report, 15080
 operations reference manual, increments, 15640-641
 organizing food training program, 17722
 perishable, storing in home, 13225
 pesticides, residues in food, report, 15274
 plentiful food, PF series, 3690
 potential of world (remarks), 1695
 preparation and serving equipment, Federal item identification guides for supply cataloging, supplements, 3292
 preparation and serving in garrison mess, Army technical manual, 7397
 preservation of foodstuffs by sublimation method, USSR study, 12665
 price changes, investigation (statement), 52
 prices, what makes food prices? 2173
 private labels, frequency of use by distributors, errata, 9947
 products—
 marketing bill, 987
 United Arab Republic import market, 1947
 protection, environmental health training program research grants, 5463
 publications, price list, 17132
 retail prices by cities, 3245
 retailers, encourage your low-income customers to take part in food stamp program, 17330
 retailing by discount houses, 5652
 retailing, what retailers should know about perishable agricultural commodities act, 8843
 sample menus and food list for week based on USDA economy family food plan, 10157
 science and food for freedom, 13217

INDEX 1967

Food—Continued

- service employees under fair labor standards act as amended, 7225
- service in institutions in East and Midwest, 11935
- situation in United States (address), 30
- standards, Codex Alimentarius Commission, U.S. delegates, etc., 2136, 9353
- storing at home, aid to extension and village workers in many countries, 14022
- travel a new world of food, see the U.S.A., 17279
 - French edition, 17275
 - German edition, 17278
 - Portuguese edition, 17276
 - Spanish edition, 17280
- United States, food and fiber system in changing world environment, 18144
- USDA standards, list, 13215
- wholesale food distribution facilities—
 - Baltimore region, 5650
 - Chicago, 7278
 - Huntington, W. Va., 4
- wild animals as source, 4810
- world needs (paper), 16496
- world problem—
 - address, 7258
- President's Science Advisory Committee reports, 11706-707
- world situation—
 - address, 30
 - prospects for grain production, consumption, and trade, 15209
- world supply, panel reports, 11706-707
- young scientists look at food, nutrients, etc., 12561
- see also Canned foods—Menus for space flights—School lunches—also names of foods.
- Food additives:
 - chemistry and technology requirements of food additive petitions, FDA guidelines, 2285
 - FDA's life protection series, 9522
- Food and Agriculture Organization of United Nations, off-shore fishery development project for Vietnam, agreement, 17238
- Food and Drug Administration:
 - FDA fact sheet, 6359
 - FDA investigator, career opportunities, 11095
 - FDA papers (periodical), 4814
 - FDA publications, 4815, 6360, 8045, 12561-562, 14074, 15272, 17790
 - FDA report on enforcement and compliance, monthly, 3268
 - FDA's life protection series, 9522-23, 12561-562, 15272
 - guidelines for chemistry and technology requirements of food additive petitions, 2285
 - how FDA works for you, 4815
 - laboratory sites, selection procedures, hearings, 15032
 - opportunities for—
 - chemists, 11093
 - clerk typists and stenographers, 8046
 - inspectors, 11094
 - microbiologists, 11096
 - poster series, 16639
 - radio-TV packet (periodical), 3804
- Food and Fiber, National Advisory Commission on, see National Advisory Commission on Food and Fiber.
- Food, drug, and cosmetic act, see Cosmetics—Drugs—Food.
- Food for fish:
 - Abernathy salmon diet, test of components, 16636
 - caloric and vitamin levels of salmon diets, studies, 8042
 - channel catfish fingerlings response to different levels of nutrients, 8042
- Food for livestock:
 - cattle diets on native and seeded ranges in ponderosa pine zone of Colorado, 6369

Food for livestock—Continued

- feed market news, weekly, 3330
- feed situation, 3331
- feed statistics through 1966, feed grain, corn, etc., 17333
- forage fed to milk cows, 11880
- livestock-feed relationships, 1909-65, supplement, 1720
- malnutrition of young cattle, effect on feed utilization, etc., 14765
- medicated feeds, use carefully and wisely (poster), 16639
- milk cows, roughage fed, 1966 summer season, 2940
- Food for poultry, collective bargaining groups for feed prices in California, 7944
- Food lockers, see Cold storage.
- Food preservation, see Food.
- Food processing, meat products, new technological methods, 6546
- Food sanitation inspectors, standardization and certification, PHS recommendations, 17159
- Food Services Department Central Management Office, D.C., see Central Management Office of Food Services Department, D.C.
- Food stamps:
 - act of 1964, amend to extend program—
 - hearings, 9139, 10802
 - law, 17545
 - reports, 9119, 10598, 13790, 16251
 - Agriculture Department's program, method for sharing our abundance, 5669
 - food stamp program—
 - guide for retailers and wholesalers, 4130
 - retailers, encourage your low-income customers to take part, 17330
 - statutes, compilation, 7262
- Food stores, see Stores.
- Foot-and-mouth disease, menace to North American livestock, control and eradication progress, 7252
- Football:
 - professional teams, authorize merger of leagues and protect secondary schools from professional football telecasts—
 - hearings, 742
 - law, 504
 - law, legislative history, 2064
 - law, summary, 4566
 - Senate amendments, summary, 4568
- Footwear, see Boots and shoes.
- For you from a grateful nation, 18250
- Forage plants:
 - deer browse resources of Uwharrie National Forest, 8124
 - feed statistics, 17333
 - fertilization uneconomic for forage improvement in Louisiana pine plantations, 14117
 - fluctuations in forage quality on summer range in Blue Mountains, 16663
 - forage and range research, challenges, 14753
 - forage fed to milk cows, 1966-67 winter feeding season, 11880
 - insecticide residues, results of analyses, SS03
 - periodic mowings suppress tamarisk growth, increase forage for browsing, 6368
 - wheat pasture, 4063
- Foraminifera:
 - Gulf of Alaska and southeastern Alaska, recent samples, 12614
 - smaller, from Guam, 1119
 - see also Fusulinidae.
- Force and energy:
 - decreasing stacking-fault energy, possible relation with friction of copper-aluminum alloys, 8490
 - energy absorbing steering control system for automotive vehicles, Federal standard, 6318
 - force investigation of supersonic transport model with highly swept arrow wing, 12924

Force and energy—Continued
 forward compartment energy absorption
 for automotive vehicles, Federal stand-
 ard, 6316
 hydrostatic force used to handle outsized,
 heavy objects, 12897
 zero force reaction in use of hole saw
 drill attachment, 6767
 Forced labor, abolition, convention, hear-
 ings, 7806, 16410
 Forces deforming rib cage, 10238
 Ford Foundation, proposal for broadcasters
 non-profit satellite service, hearings, 2111
 Ford's Theatre, general information, 11613
 Fore, Paul L., cumulative subject and author
 index to Progressive fish-culturist, 1081
 Forearm vascular responses to lower body
 negative pressure and orthostasis, 4175
 Forecasts:
 long-range forecasting and planning, Air
 Force symposium, 17340
 long term, supply and demand of agri-
 cultural and livestock products in Vene-
 zuela, summary and evaluation, 12456
see also Weather forecasts.
 Forecasters, *see* Weather forecasts.
 Foreclosure of mortgage, *see* Mortgages.
 Foreign activities of national banks, 8004
 Foreign affairs, *see* International relations.
 Foreign Affairs, Committee, House:
 activities, 89th Congress, 4536
 calendar, 3475
 committee prints, 733-734, 4534-36, 6106,
 7743-44, 7746, 9158, 10651-653, 12297,
 13704
 hearings, 730-732, 4533, 7745, 7747, 9155-
 57, 10623, 10649-650, 12298-300,
 13705, 15027, 16326
 investigations and studies, U.S. foreign
 policy—
 authorization, report, 7663
 expenses, reports, 639, 7725
 reports, 4493, 6024, 7715, 9104, 9131,
 10568, 10623, 12285, 14960
 Foreign agents, registration act, administra-
 tion, report, 16790
 Foreign Agricultural Service:
 appropriations, 1968, hearings, 10629,
 12397
 bibliographic register, 14670
 market promotion activity, review, report,
 10615
 miscellaneous, FAS-M series, 1084, 2286,
 4816-17, 8047-48, 9524-25, 11097-99,
 12565, 14076, 16641-643, 17792
 special reports, list, 1085, 8049, 14077
 Foreign agricultural trade, *see* Agricultural
 products.
 Foreign agricultural trade of United States,
 3343
 Foreign agriculture, *see* Agriculture.
 Foreign agriculture (periodical), 3344
 Foreign agriculture circulars, 3345
 Foreign aid:
 agricultural development, monthly news-
 letter to cooperators, 3432
 Colombia projects, planning and super-
 vision by AID, GAO review, 16677
 development digest (periodical), 3202
 economic assistance—
 administered by AID, 6468
 financial summary, 16725
 Vietnam, off-shore fishery development
 project, agreement, 17238
 essential element of United States foreign
 policy (address), 18231
 excess property, control and use, etc., fol-
 lowing U.S. military exclusion from
 France, hearings, 16327
 expenditures, study, authorization, report,
 4626
 food aid program, new, general informa-
 tion, 4127
 foreign assistance act of 1961, amend—
 analysis of bill, 10653
 development of cooperative enterprises,
 1966, report, 13700

Foreign aid—Continued
 foreign assistance act of 1961, amend—
 continued
 hearings, 9157, 10649, 12299, 13861,
 15027
 Ramseyer rule print of bill, 10652
 reports, 13837, 14960, 14973
 foreign assistance act of 1966, Ramseyer
 rule print, 733
 foreign assistance act of 1967—
 analysis, 10653
 hearings, 9157, 10649, 12299, 13861,
 15027
 message from the President, 6000
 Ramseyer rule print, 10652
 reports, 13837, 14960, 14973
 foreign assistance act of 1968, background
 material, fiscal year 1968, compilation,
 12297
 foreign assistance appropriations, 1967,
 law, 405
 foreign assistance appropriations, 1968,
 hearings, 15014, 16304
 foreign assistance program—
 authorizations and appropriations, 1965,
 staff memorandum, 4534
 authorizations and appropriations,
 1966-67, staff memorandum, 4535
 India, economic development projects,
 planning and surveillance by AID, GAO
 report, 16669
 International Development Agency, opera-
 tions report, 3659
 programs, proposals for implementing 6
 guiding principles, message from the
 President, 6000
 proposed foreign aid program, fy 1968,
 AID, summary presentation to Congress,
 11230
 South Vietnam, free world assistance, 8716
 technical cooperation, agreement with—
 Afghanistan, 5532, 7164, 15768
 Somali Republic, 7181, 13147
 United States economic program in Viet-
 nam, illicit practices affecting, follow-
 up investigation, report, 14996
 United States foreign aid in action, case
 study, 2122
 voluntary programs, reports of American
 registered agencies, 2419, 12655
see also names of countries.
 Foreign assets control regulations, com-
 modity supplement, 8774
 changes, 17268
 Foreign assistance, *see* Foreign aid.
 Foreign claims, *see* Claims.
 Foreign Claims Settlement Commission:
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 reports, 10616, 16372
 international claims settlement act of
 1949, text of title 5, 8051
 reports, semiannual, 6362, 12566
 Foreign commerce, *see* Commerce.
 Foreign commercial markets, talk, 4818
 Foreign countries:
 bank operations of U.S. abroad, foreign
 government restraints, economic policies
 and practices, 9045
 consular offices in United States, 10097
 country report series, 6417-21
 designations used in compiling U.S. for-
 eign trade statistics, code classifica-
 tion, schedule C, 4358
 change, 5849
 economic data for less developed countries,
 4924
 economics of agriculture and U.S. foreign
 agricultural trade, selected list of pub-
 lications, 993
 family planning programs in developing
 countries, 8227
 fees charged for visa of United States pass-
 ports, list, 7145

INDEX 1967

Foreign countries—Continued

foreign assets control regulations, commodity supplement, 8774
 changes, 17268
 foreign tax credit claimed on corporation income tax returns, 11224
 gifts and decorations, acceptance by government officials and employees, establish basic uniform standards—
 law, 391
 Ramseyer rule print, 734
 government securities, purchase by Federal reserve banks—
 hearing, 7800
 report, 9281
 international business practices, 9602
 living costs abroad, Department of State indexes, 5084
 marking of country of origin on U.S. imports, 7842
 nation building and peace building (address), 14209
 passenger travel to and from U.S., 3822, 4910, 12633
 plant quarantine import requirements, summaries, list, 4087
 profiles of newly independent states, 11826
 seizures of United States fishing vessels, amend act—
 hearing, 15045
 report, 15008
 small arms ammunition, identification guide, 5738
 social security programs throughout world, 8692
 statistical briefs, 3898
 statistical publications, accession list, 3350
 world's nations, status, geographic nomenclature, etc., State Dept. geographic bulletin, 17222
see also Foreign agents—*also* subjects involved.
 Foreign Credit Insurance Association, insurance, 6232
 Foreign currencies, *see* Money.
 Foreign decorations, *see* Decorations of honor.
 Foreign exchange:
 rates, monthly, 3346
 rates, weekly, 3347
 Treasury and Federal reserve operations, 8005, 16599
 Foreign Labor and Trade Office, program and publications, 6619
 Foreign language specialists, examination announcement, discontinuance notice, 5930
 Foreign languages, *see* Language and languages.
 Foreign market reports service, listing, 12653
 Foreign policy, *see* International relations.
 Foreign relations, *see* International relations.
 Foreign Relations Committee, Senate:
 calendar, 3495
 committee prints, 2116, 4637, 6098, 6104, 6106, 7808-10, 9311, 10830, 10835, 10837, 12408, 13860, 13862
 consultative subcommittee, list and scope of coverage, 10830
 hearings, 953-954, 6099, 6100-3, 6105, 6107, 2806-7, 9312-13, 10831-834, 10836, 13861, 13863, 15155, 16410, 17650-653
 investigations and studies, U.S. foreign policies, authorization, report, 4627
 reports, 897, 904, 2090, 2092-93, 2096, 6064-67, 7774-75, 9187-90, 9270, 9272, 9295, 10728, 10742, 10757, 10767-768, 12386-387, 13728, 13795, 13837, 15064, 15102, 16352, 17619-620
 Foreign Service:
 American officials and their families, social usage abroad, guide, 8712
 annuities, increases and adjustments, report, 13795

Foreign Service—Continued

benefits for employees in high-risk situations, report, 10768
 biographic register, 14670
 briefing, 18227
 career, general information, 10098
 country team, illustrated profile of American missions abroad, 8711
 department and foreign service series, 2879, 8711-12, 10096-98, 14670-671, 17217, 18226
 emergency situation, additional benefits, report, 9295
 former officers of State Department, payment of severance benefits, GAO report, 4873
 list, 3349
 officers, key, of foreign posts, guide for businessmen, 3462
 overseas opportunities for secretaries, 8722
 posts, records in National Archives, special list, 14511
 retirees, prospective, general information for, 8721
 travel regulations, revision needed to reduce per diem costs, GAO report, 15298
 Foreign Service Information Officers Corps establish, hearing, 17653
 Foreign Service Institute:
 basic course—
 French language, supplementary exercises, 14675
 Greek language, 14677
 spoken Brazilian Portuguese, 2884
 Vietnamese language, 10106
 pronunciation and lessons guide, 7195
 programmatic course, Spanish language, 14682
 instructor's manual, 13142
 Foreign students in United States, 5613
 Foreign trade, *see* Commerce—*also* names or classes of commodities.
 Foreign Trade Zones Board, annual report, 11100
 Foreman, B. J., advanced antenna techniques for rendezvous radar, 11403
 Forest conservation, *see* Forests and forestry.
 Forest fires:
 bibliography of publications by Forest Service, forest fire research staff, etc., 8052
 comparative fire resistance of 2 seed sources of south Florida slash pine, 9540
 cooperative control program financing, Federal, State and private funds, 9527, 15276
 Federal plan for National Fire Weather Service, 9432
 fire control—
 air operations facilities needed in major disasters, OEP report, 10702
 print as Senate document, report, 10783
 seasonal employment information, 2524
 State laws, analysis, 9526
 fire control notes (periodical), 3334
 forest floor fuels in red and jack pine stands, 2303
 fuel weight and removal costs in fuel-break construction, 8082
 Project Fire Scan, fire detection by airborne infrared mapper, report, 8106
 protection of State and privately-owned land within national forest areas, 4861
 publications on forest fire research since 1960, Northern Forest Fire Laboratory, Missoula, Mont., 8058
 retardants, reproducible system for evaluating, 15288
 spread characteristics determined in laboratory, 4847
 spread mechanisms, research progress report, 2329
 statistics, 15277

Forest fires—Continued
 who starts forest fires in Maine—and how? 8076
 Forest Haven, voluntary admission of certified mentally retarded patients who have been resident of District of Columbia for one year, report, 7703
 Forest lands, see National forests.
 Forest nurseries, tree planters' notes, 1099, 8125-27
 Forest pest leaflets, 4820-21, 9529, 11104-105, 12567, 15278, 16646-647, 17793-796
 Forest planting:
 and seeding, 1966 report, 8127
 brushfield reclamation, reforestation with ponderosa pine, 4844
 redcedar mixtures established in poor oak-hickory forests, 8073
 shortleaf pine seedling inventory methods on broadcast-seeded areas in Missouri Ozarks, 8072
 tree planters' notes, 1099, 8125-27
 Forest products:
 demand and price situation, 5660
 insecticides, guide, 10162
 national surveys of timber and other forest resources, cost limit increase ceiling, report, 10749
 utilization and marketing assistance for woodland owners, etc., 1714
 Forest Products Laboratory:
 annual report of research, 14079
 publications, lists, 11106
 fire performance, 14081
 modified woods, paper-base laminates, and reinforced plastic laminates, 8054
 sandwich construction, 9530
 wood finishing, 14082
 wood preservation, 14083
 Forest products technologists, examination announcement, 4394
 Forest research, see Forests and forestry.
 Forest resources, see Forests and forestry.
 Forest Service:
 annual report, 16653
 appropriations, 1968—
 hearings, 7734, 9302
 law, 12170
 reports, 10560, 10766, 12252
 cartographic records, preliminary inventory, 14510
 employment, nonprofessional, guide, 10184
 field offices, listings, 1086
 films available for educational purposes, list, 12569
 forest fire research staff, publications, annotated bibliography, 8052
 Intermountain region yearbook, 1966, national forests in profile, 15280
 land exchanges for public schools, facilities—
 hearings, 16303
 report, 16275
 lands, in U.S., recreation use estimation, 15284
 need to resolve differences in procedures used by Federal timber management agencies in appraising timber offered for sale, GAO report, 4871
 outdoor recreation research, bibliography, 12568
 poster, 16648
 research notes, 1088-93, 2297-2326, 4826-45, 6365-70, 8059-99, 9533-40, 11110-131, 12570-583, 14087-122, 15281-286, 16654-660, 17801-804
 research papers, 1094-98, 2327V34, 4846-56, 6371, 8100-20, 9541-44, 11132-141, 12584, 14123-145, 15287-289, 16661-664, 17805-806
 resource bulletins, 2335-39, 4857-60, 8121-24, 14146, 16665-666, 17807, 809
 women's work in, career opportunities, 13231

Foresters:
 aerial photo interpretation, guide, 4097
 examination announcement, 16078
 amendment, 8984
 research, examination announcement, 4394
 Forestry, see Forests and forestry.
 Forestry Science Laboratory, Morgantown, W. Va., purpose, work, etc., 14084
 Forests and forestry:
 aerial photo interpretation, forester's guide, 4097
 Alaska interior, forest types, photo identification guide, 15287
 Arizona's forests, 2336
 California, commercial forest area and timber volume, 4859
 careers in forestry, 5654
 careers in research forestry, examination announcement, 4394
 cattle in woods or woods in pasture, 14093
 compound interest tables for long-term planning in forestry, 13212
 conservation, materials to help teach, list, 6363
 Del Norte County, Calif., forest statistics, 4860
 destructive Alaska forest insects, identification, 14085
 disposal of logging slash, thinnings, and brush by burying, 4839
 East European forestry, translations, 3954
 effects of slash burning on conifer regeneration in southeast Alaska, 4834
 elementary statistical methods for foresters, 7260
 forest floors and soils under true fir-hemlock stands in Cascade Range, characteristics, 11139
 forest industries in eastern Washington, 8123
 forest inventory statistics, Campbell County, Tenn., 18239
 forest resources—
 and industries in Tennessee Valley, 10116
 New Mexico, 2335
 forested loess soils after repeated prescribed burns, properties, 8091
 forestry accomplishments in southwestern Ohio under U.S. agricultural conservation program, 14135
 forestry bulletin, Tennessee Valley Authority, 18239
 forestry research progress, 1966, McIntire-Stennis cooperative program, 13902
 forestry schools in U.S., list, 4822
 forests forever, 2290
 Georgia, north, industry outlook, 1650
 herbicides for forest plantations, 12571
 industries—
 Appalachia counties of Tennessee, 16666
 Pacific Northwest, production, prices, employment, and trade, 3774
 insects, conditions in—
 Pacific Northwest, 8053
 United States, 9528
 job stability, community prosperity and our forests (address), 13209
 labor requirements in thinning Douglas-fir and western hemlock, 4837
 laws relating to, compilation, 1989
 long-term forestry investments, computer program for evaluating, 14131
 managing your woodlands, how to do it guides, 2292
 Northeastern forest-inventory data-processing system, 11134
 outdoor recreation and associated research needs for suburban forests, 7888
 outdoor recreation research, bibliography, 12568
 ranger arithmetic for—
 1st and 2d grade teachers, 2293
 3d grade teachers, 2294

INDEX 1967

- Forests and forestry—Continued
 ranger arithmetic for—continued
 4th grade teachers, 2295
 5th grade teachers, 4825
 6th grade teachers, 11108
 7th grade teachers, 2296
 research notes, 1088-93, 2297-2826, 4826-
 45, 6365-70, 8059-99, 9533-40, 11110-
 131, 12570-583, 14087-122, 15281-286,
 16654-660
 research papers, 1094-98, 2327-34, 4846-
 56, 7371, 8100-20, 9541-44, 11132-141,
 12584, 14123-145, 15287-289, 16661-
 664, 17805-806
 resource bulletins, 2335-39, 4857-60,
 8121-24, 15290, 16665-666, 17807-809
 road to forest management, 1652
 scientific research coordination in Social-
 ist countries, 7th conference, report,
 Hungarian study, 14242
 seasonal employment information, 2524
 seed fall and regeneration from group se-
 lection cut, 1st year results, 4840
 silvical characteristics—
 Monterey pine, 8113
 redwood, 4853
 slash and litter weight after clearcut log-
 ging in 2 young-growth timber stands,
 8087
 slash-burn agriculture among mountain
 tribes of central Vietnam, 14246
 slash decomposition, laboratory tests fail
 to confirm acceleration by chemical
 treatment, 8086
 snow cover and calculation of snow floods,
 USSR study, 1203
 State and private forestry, southeastern
 area, 17798
 tax trends in Louisiana, 8099
 western forests, aerial photographic tech-
 niques for estimating damage by in-
 sects, 14078
 woodland owners, forest products utiliza-
 tion and marketing assistance, 1714
see also Forest fires—Forest planting—
 National forests—Site indexes—Tim-
 ber—Trees—Volume and yield tables—
also names of forests.
 Forfeitures, collecting, Justice Dept. policies
 and procedures, GAO review, 11154
 Forgings:
 aluminum, notice to trade, 10332
 gears with integral teeth, high energy rate
 system evaluation, 8898
 steel, current industrial reports, 3169
 Forman, B. J., diode-lens controlled wave-
 guide slot radiators, 9812
 Formic acids, description, etc., technical re-
 ference, 9740
 Forms (concrete construction), *see* Molds
 (forms).
 Forms, blanks, etc.:
 index of AMC blank forms, 95, 5721,
 10251, 13289, 15927
 sheet sizes and hole-punching data for
 filler paper and forms bound in ring,
 post and prong binders, military stand-
 ard, 9374
 standard forms, GSA stock catalog, 16607
see also names of departments, etc., issu-
 ing or using forms—*also* subjects.
 Forsterite, thermodynamic properties, 11387
 Forsyth, Gordon J., reclamation era, 3810
 Fort, E. F., relief, 7632
 Fort, W. R., relief, 7632
 Fort Caroline National Memorial, general
 information, 8555
 Fort Donelson National Military Park, gen-
 eral information, 13005
 Fort Huachuca, Ariz., STRATCOM new
 headquarters, 6155
 Fort Huachuca Military Reservation, nutri-
 tion survey, 14807
 Fort Lyon Veterans Hospital:
 real property, retrocede jurisdiction to
 Colorado—
 law, 368
 report, 898
 Fort Madison, Iowa:
 Mississippi River, navigation project, en-
 gineer report—
 departmental edition, 4733
 document edition, 4470
 Fort Payne, Ala., bauxite deposits, 2356
 Fort Peck Game Range, *see* Charles M. Rus-
 sel National Wildlife Range.
 Fort Peck Indian Reservation:
 tribal land, transfer of title—
 law, 12166
 reports, 10579, 12361
 Fort Pulaski National Monument, general in-
 formation, 13006
 Fort Stockton, Tex., brackish well water re-
 verse osmosis tests, 11217
 Fort Valley Experimental Forest, ponderosa
 pine, racial variation, 2315
 Fort Wayne, Ind., population, special cen-
 suses, 10378, 16016
 Fort Worth, Tex., area wage survey, 8307
 Fortenberry, W. H., story of cotton, 15858
 Fortney, Sidney, R.:
 effect of hydrazine on liver glycogen, ar-
 terial glucose, etc., in anesthetized dog,
 7359
 effect of monomethylhydrazine on meth-
 emoglobin production in vitro and in
 vivo, 14773
 Fortran, *see* Electronic data processing sys-
 tems.
 Fortune magazine, directory of 500 largest
 U.S. industrial corporations, 1954-65, con-
 centration and divisional reporting, etc.,
 hearings, 12415
 Forward compartment energy absorption for
 automotive vehicles, Federal standard,
 6316
 Forwarders, *see* Freight forwarders.
 Fosberg, Michael A., some characteristics of
 3-dimensional structure of Santa Ana
 winds, 4855
 Foshag, William F., aerodynamic testing of
 airborne lightweight high-efficiency radial
 fan, 10292
 Foss, Murray F., survey of current business,
 3925
 Foss Reservoir, repayment contract, amend
 to provide for water treatment plant, bear-
 ing, 15160
 Fossils:
 contributions to paleontology (series),
 16699
 fossil marine mammals from Miocene Cal-
 vert Formation of Maryland and Vir-
 ginia, 1530
 Foster, Helen L., geology of Mount Fairplay
 area, Alaska, 12599
 Foster, John S., testimony, 7808
 Foster-home care, *see* Child placing.
 Foundations (charitable and educational),
see Charitable institutions.
 Foundations (construction):
 farm buildings, 17310
 grouting, field technique and inspection,
 engineering and design manual, 2211
 post-stressed concrete, may reduce ma-
 chinery vibration, 15489
 procedure for design of buildings and other
 structures, Army technical manual,
 10276
 public buildings, subsurface exploration
 for and design and construction, GAO,
 review, 11156
 Founding metal founding classification defi-
 nitions, 11684
 Foundries:
 copper-base products, current industrial re-
 ports, 3170
 iron and steel, current industrial reports,
 4329

Foundries—Continued
 steel casting and foundry work in USSR, 1224
Fountain, James B., prepackaging pears at shipping point, 1703
Four Corners Economic Development Region, dedication (remarks), 4449
Four Corners Regional Commission, Federal Cochairman, nomination of Orren Beaty, Jr., hearing, 13883
Four educational opportunities for occupational therapy students, 8899
4-H clubs:
 clothing projects, abilities of girls 9 to 13, 48
 entomology leaders' guide, 4134
 this is 4-H, general information, 15867
Foumier coefficients, *see* Coefficients.
Foumier transforms, *see* Transformations (mathematics).
Fourth dimension, 7382
Fourwing saltbush, *see* Saltbush.
Fowl ticks, control, 1699
Fowler, A. K., electronic method for counting and sizing rabbit spermatozoa, 11954
Fowler, Henry H.:
 remarks, etc.—
 Oct. 22, 1966, 1653
 Nov. 14, 1966, 1657
 Nov. 16, 1966, 2956
 Nov. 18, 1966, 1655
 Nov. 25, 1966, 2957
 Dec. 3, 1966, 2954
 Dec. 6, 1966, 2952
 Dec. 7, 1966, 2950
 Feb. 6, 1967, 5573
 Feb. 16, 1967, 7213
 Feb. 21, 1967, 7212
 Mar. 13, 1967, 8775
 Mar. 17, 1967, 8777
 Apr. 10, 1967, 8776
 Apr. 20, 1967, 10124
 Apr. 24, 1967, 10121
 Apr. 28, 1967, 10120
 May 13, 1967, 11883
 July 18, 1967, 14709
 Sept. 21, 1967, 17272
 Sept. 26, 1967, 17271
 Oct. 28, 1967, 18243
Fowler, Laurie G.:
 studies of caloric and vitamin levels of salmon diets, 8042
 test of different components in Alberathy salmon diet, 16636
Fowler, P. R., problems in aerial application, detection of mild poisoning by pesticides, etc., 13351
Fox, Austin, demand for farm tractors in United States, regression analysis, 2169
Fox, Lawrence A.:
 addresses, etc.—
 Nov. 22, 1966, 2418
 Nov. 1, 1967, 17854
Fox, R. B., photodegradation of high polymers in solution, poly (methyl methacrylate), 5358
Fox Indians, *see* Sac and Fox Indians.
Foxvog, Donald R., FAA aviation news, 3257
FPC, *see* Federal Power Commission.
FPC R series, 4770-71
FPC series, 2247, 7973, 11017, 12508, 17760
FPL, *see* Forest Products Laboratory.
Fra Manro, AIC 76B, lunar chart, 7329
Fractionation:
 continuous flow in-line exchange of volatile solvents in automated chemistry, 75
 inorganic solutions, by foaming, 12642
Fracture of metals:
 crack growth—
 flat and curve surfaces at cryogenic temperatures, continuity gage measurement, 2721
 measured on flat and curved surfaces at cryogenic temperatures, 17992
 crack propagation theories, 17939

Fracture of metals—Continued
 crackline-loaded edge-crack specimens, stress intensity factors, 6869
 fatigue crack growth in Ti-3Al-1Mo-1V (duplex-annealed) specimens having various widths, investigation, 8494
 fracture toughness of wide 2014-T6 aluminum sheet at -320°F, 12936
 hydrogen embrittlement of ultrahigh-strength steels, study to minimize, 11470
 low cycle fatigue of notched specimens by consideration of crack initiation and propagation, 12921
 meteoroid damage to filamentary structures, 16899
 neutron embrittlement of—
 higher strength steels, 5356
 reactor pressure vessel steels, exposure criteria, 5355
 plane-stress, elastic-plastic states in vicinity of crack tips, 9816
 plastic constraint ahead of sharp crack under plane-strain conditions, 7108
 radiation embrittlement of Army SM-1A reactor pressure vessel, projected estimates, neutron spectral effects, 1554
 residual strains and displacements within plastic zone ahead of a crack, 5489
 stress-corrosion cracking of Ti-6Al-4V alloy in methanol, 6900
 stress corrosion cracks in titanium alloys revealed by chemical milling solution, 16957
 stress distributions in vicinity of simulated crack, photoelasto-plastic method to study, 8406
 stresses at tip of longitudinal crack in plate strip, 14498
 titanium alloys, salt water stress-corrosion cracking characteristics, 17091
 titanium, aluminum, and stainless steel alloys in aqueous environments, crack propagation, delayed failure, and residual static strength, 6872
 uniaxial and biaxial toughness of titanium alloy sheet, 11552
Fraguio, Hilario Anido, *see* Anido-Fraguio, Hilario.
Franca, Jorge I. Miquel, *see* Miquel Franca, Jorge I.
France:
 alien amateur radio operators, authorization to operate, agreement, 2897
 background notes, 13135
 communication systems and depots, agreement, 5551
 computers, Soviet view, 1270
 consular convention—
 report, 16352
 treaty, text, etc., 9184
 defense—
 air depot at Deols, La Martinerie agreement, 5550
 use of certain air bases and facilities, agreement, 7168
 disposal of United States military installations and supplies, reports, 6109, 7769
 establishing business in, 4431
 headquarters of Deputy Commander, Allied Forces in Europe, agreement, 7170
 heavy water production, study, 1196
 income-tax convention, 16351
 military exclusion of U.S., excess property control and related problems, hearings, 16327
 mineral industry, minerals yearbook chapter, 16858
 navy, hull testing basin, means of experimentation and research, 11258
 north coast, sailing directions, 13022
 petroleum products pipeline, establishment, agreement, 7169
 prune industry, 12565
 reactions to American involvement in Vietnam, 5703
 satellite-balloon meteorological research (Project EOLE), agreement, 2906

INDEX 1967

- France—Continued
social composition of French Communist Party and its evolution, 9651
social security system, reform, 17199
travel to United States, market survey, 5580
United States military installations, investment of military assistance funds 9158
Franchise tax, District of Columbia, amend act, reports, 879, 893
Franchises (business):
exclusive territorial franchise bill, hearings, 7817
franchise company data, equal opportunity in business, 7450
franchising agreements, effect on small business, hearings print additional copies, reports, 916, 2030
Francis, P. S., fabrication, etc., of ultrathin reverse osmosis membranes, 12641
Franciscus, Leo C., computer program for determining effects of chemical kinetics on exhaust-nozzle performance, 15575
Franco, John J.:
Arkansas River navigation entrance, 17737
hopper dredge dragheads, 6211
navigation conditions at—
Arkansas River Lock and Dam no. 4, 2221
Belleville Locks and Dam, Ohio River, 1030
Columbia Lock and Dam, Onachita River, La., 6212
McAlpine Locks and Dam, Ohio River, 6210
Millers Ferry Lock and Dam, Alabama River, Ala., 10961
Franken, Peter A., propagation of sound from airport ground operations, 11404
Frankfurt, Germany, U.S. trade center, 12654
Franking privilege:
members of Congress, franked mail covers, amend United States Code, hearings, 17607
telegraph and telephone, FCC rules and regulations, 3279
Franklin County, Kans., dedication ceremonies for water system (remarks), 4141
Franklin County, Mass., soil survey report, 8696
Franquiz, Jose J. Diaz, *see* Diaz Franquiz, Jose J.
Franseth, Jane, survey of research on grouping as related to pupil learning, 4721
Fraser, T. M., storage of biological samples, 9820
Frاند:
and mailability, enforcement action, 3360
mail, how postal inspection service protects you, 17119
sale of real estate subdivisions through mails and in interstate commerce, pre-vent hearings, 17642
Frazier, Arthur H., William G. Price and Price current meters, 9951
Frazier, Emery L., tributes upon retirement, 2075
Fredricksburg, Battle of, 1862, where hundred thousand fell, 1533
Free jet impingement normal to curved surface in vacuum, 9897
Free-molecule flow and surface diffusion through slots and tubes, summary, 8508
Free radicals, light-induced, in wood, 4846
Free transportation, *see* Franking privilege.
Free world assistance for South Vietnam, 8716
Free world production and trade in selected household appliances, 7573
Freedman's Hospital School of Nursing, announcement, 2808
Freedom, *see* Liberty.
Freedom of religion, *see* Religious liberty.
Freedom of the seas, seapower, guardian of freedom, 9976
Freeman, Delma C., Jr., low subsonic flight and force investigation of supersonic transport model with highly swept arrow wing, 12924
Freeman, Orville L.:
addresses, etc.—
Aug. 4, 1966, 52
Aug. 16, 1966, 26
Aug. 24, 1966, 25
Sept. 8, 1966, 22, 24
Sept. 14, 1966, 23
Sept. 26, 1966, 51
Oct. 3, 1966, 1677
Oct. 4, 1966, 1696
Oct. 11, 1966, 1719
Oct. 12, 1966, 1676
Oct. 13, 1966, 1694
Nov. 1, 1966, 4119
Nov. 14, 1966, 4094
Nov. 15, 1966, 4142
Nov. 19, 1966, 4091
Nov. 21, 1966, 4092
Dec. 6, 1966, 4093
Dec. 12, 1966, 7295
Jan. 20, 1967, 7268
Jan. 30, 1967, 4108, 8821
Feb. 6, 1967, 8824
Feb. 7, 1967, 7258
Feb. 15, 1967, 7296, 8822
Feb. 27, 1967, 7280
Mar. 14, 1967, 7257
Mar. 20, 1967, 10163
Mar. 23, 1967, 8823
Apr. 3, 1967, 10159
Apr. 7, 1967, 10158
Apr. 19 and 20, 1967, 10198
Apr. 20, 1967, 10160
Apr. 25, 1967, 10196
May 3, 1967, 13242
May 8, 1967, 13209, 13229
May 16, 1967, 10197, 13240
June 13, 1967, 13241
June 15, 1967, 13219
July 7, 1967, 13243
Aug. 1, 1967, 15834
Aug. 14, 1967, 15846, 15876-877
Aug. 30, 1967, 15835
agriculture 2000, policy speeches, compilation, 13218
Freeman, Robert E., farm-retail price spreads for dairy products, 1939-66, 10181
Freeman, T. G., Federal-State-private cooperative snow surveys for Alaska, 3317
Freeport, Tex., saline water conversion demonstration plant, annual report, 17848
Freese, Frank, elementary statistical methods for forester, 7260
Freeswick, D.C., automatic sampler for collecting radioactive particulates in ground level air, 1788
Freeways, *see* Roads and highways.
Freeze drying, *see* Lyophilization.
Freezers:
provisioning industry, 5648
what to do when your home freezer stops, 10173
Freezing:
food, combination main dishes, 17313
home freezing of—
fruits and vegetables, 11930
poultry, 4107
saline water conversion—
direct separation process, experimental investigation, 12644
research, 9593
tests of concretes of various strengths and air contents, 13986
thermodynamics and kinetics, 6446
transient solidification of warm liquid flowing over chilled flat plate, 12935
see also names of commodities, etc., frozen.
Freezing points, depression and heat capacity of soils, thermodynamic relationships, 8878

- Freezing spring temperatures damage knobcone pine, 8117
- Freight:
- carload waybill statistics, 1964—
 - mileage distribution by type of car, 6472
 - territorial distribution by type of car, 8231
 - traffic and revenue, 6473
 - weight distribution by type of car, 8232
 - commodity statistics, annual report, 12656
 - cost of transporting by class 1 and 2 motor common carriers—
 - by regions or territories, 16726
 - Central region, 11232
 - Middlewest region, 11233
 - New England region, 9604, 11234
 - Southwest region, 11235
 - damages in transportation, recovery of reasonable attorney's fees, hearings, 17645
 - description and suffixes, Army regulation, change, 14790
 - preparation for air shipment, DSA manual, 17692
 - rail revenue contribution by commodity and territory, developing, 8234
 - rail service costs, formula for use in determining, 4926
- Freight cars:
- farmer cooperatives owning or leasing covered hopper cars, 16545
 - situation and prospects, 10919
- Freight forwarders:
- air freight forwarder industry, future (remarks), 16049
 - air freight forwarders must grow while educating industry in regards to their service (remarks), 12096
 - air transportation industry, small business role, report, 4511
 - facilitating air-truck movements for smaller community (remarks), 17447
 - revenues, expenses, and statistics, quarterly, 3833
 - transport statistics, 4929
- Freight rates:
- airfreight rates, introduction, 16047
 - cost-based desirability, and feasibility, summary, 13163
 - intercoastal shipping, accounting at expiration of rate suspension, hearings, 16337
 - ocean, military cargoes, by U.S. flag ships at reduced rates, hearings, 4552
 - reduced, for governmental bodies, limit hearings, 16398
 - refunding, FMC to authorize, hearings 16337
 - specialist, examination announcement, 206
- Freight trains, see Railroads.
- Freitas, Branca da G. F., relief, 12226
- Fremont County, Wyo., Puddle Springs quadrangle, geology, 12602
- French, G. W.:
- evaluation of cost factors in production and harvesting of potatoes, 15873
 - machine for application of dust to cut seed potatoes, 7241
- French, J. J., progress report on proposed ground-water studies in Lytle Creek-San Sevalle area, Upper Santa Ana Valley, Calif., 1125
- French bathyscaphe departs for Japan, 9631
- French fried potatoes, see Potatoes.
- French Guiana, mineral industry, minerals yearbook chapter, 11361
- French language, basic course, supplementary exercises, 14675
- French literature, classification, Library of Congress, 2527
- French Polynesia:
- Makatea Island, mineral industry, minerals yearbook chapter, 9759
 - Marquesas Islands and adjacent areas longline fishing for deep-swimming tunas, 12549
- French Prairie, geology and water resources of area, 14179
- French Somaliland, labor conditions, 5074
- Freon-113 condensing in downward flow in vertical tube, local heat-transfer and pressure distributions, 11510
- Frequencies:
- automatic control systems responding to Doppler shift, synthesis, USSR study, 16742
 - design concepts using ring lasers for frequency stabilization, 11472
 - determination of fixed base natural frequencies of shipboard equipment by shake tests, 11673
 - developing quadrature voltages at variable frequencies by using parallel-T network, 5361
 - distributions, mixed, estimation, 12947
 - frequency response of forced-flow single-tube boiler, 12952
 - high frequency magnetic recording, USSR study, 6504
 - hydrogen maser as highly stable frequency reference, 11475
 - infrared devices, new patents, USSR study, 9647
 - microwave and high-frequency bibliography, 17031
 - molecular vibrational, tables, 8524, 18077
 - natural, of closed spherical sandwich shells determined by computer program, 16939
 - pressure levels and pulsation frequencies can be varied on high pressure/frequency testing device, 17971
 - resonance frequency, natural shift, 2745
 - resonant, of dielectric sphere immersed in plasma, 12929
 - response and transfer functions of nuclear rocket engine system, 11526
 - temperature dependence of dielectric constant of micaceous mica at varying frequencies, USSR study, 16737
 - see also Audio frequencies—Radio frequencies—Ultrahigh frequency.
- Frequency discriminators, electronic, description, 12888
- Frequency modulation, see Radio frequency modulation.
- Frequency multipliers, experimental coherent fractional, at S-band, 14441
- Frequency response:
- characteristics of propellant vaporization, analysis, 5235
 - forced-flow single-tube boiler with inserts, 18022
- Frequency shift converter, automatic control systems responding to Doppler shift, synthesis, USSR study, 16742
- Frequency spectrum of fluctuations of sea water temperature, 1180
- Frequency-to-analog converter, fast-response, 14445
- Fresco De Jongh, Guillermo, relief, 10544, 13513, 13761
- Fresh fruit, see Fruit.
- Fresh water fishes, see Fish and fisheries.
- Fresnel diffraction plates are simple and inexpensive, 16945
- Fresnillo mine, geometry of metal distribution, 9771
- Frey, H. Thomas, agricultural application of remote sensing, potential from space platforms, 15843
- Fribourg University, nuclear physics research activities, 5011
- Friction:
- brake cushions acceleration and vibration loads, 6771
 - characteristics of rhenium, single-crystal and polycrystalline, in vacuum, 9912
 - coefficients for laminar and turbulent flow with ratios of surface to bulk temperature, 17014

INDEX 1967

Friction—Continued

- copper-aluminum alloys, possible relation with decreasing stacking-fault energy, 8490
- copper, single-crystal and polycrystalline, recrystallization and preferred orientation, 8481
- friction and leakage losses in blade-rings of turbines and turbine units, 5277
- frictional loss in metal bellows and flexible hose, method of predicting, 9825D
- impregnated mechanical carbons, wear and friction at temperatures to 1400°F in air or nitrogen, 9915
- low-temperature, reduction by use of additions to fused-fluoride coatings, 5265
- machine tests slow-speed sliding friction in high vacuum, 17989
- metals in single-crystal and polycrystalline form, effect of recrystallization, 15374
- sliding, platinum metals group members, 15578
- status of research on lubricants, friction and wear, 17082
- wear and friction of polymer laminates in liquid nitrogen, etc., 2693
- wear studies of slip rings and gas bearing components, 18003
- Fridle, Willmon:
 - manufacturing earnings series, 5083 summary, 12775
- Frie, Jimmie W., soil survey of Greer County, Okla., 19088
- Friedel, Robert A.:
 - advances in coal spectrometry, absorption spectrometry, 16848
 - infrared and ultraviolet spectrometric techniques and spectra-structure correlations, 6631
- Frieden, Bernard J., metropolitan America, challenge to Federalism, 2048
- Friedland, B., stability of attitude control systems acted upon by random perturbations, 11399
- Friedlander, Alan L., error analysis of celestial-inertial navigation for low-thrust interplanetary vehicles, 8424
- Friedman, Stanford B., childhood leukemia, pamphlet for parents, 18157
- Friendship, Americans extend hand to visitors from throughout world, 10126
- Frigerio, Norman A., your body and radiation, 7445
- Friichtenicht, J. F., laboratory measurement of meteor luminous efficiency, 11411
- Fris, Herman R., Federal exploration of American West, 8516
- Fringe benefits, *see* Employee benefit plans.
- Frishle, Bryan R., mineral industry of Peru, 11364
- Frisch, Harold P., thermal bending plus twist of thin-walled cylinder of open section with application to gravity gradient booms, 15561
- Frisch, Max, Don Juan play, Moscow production criticized, 6541
- Fritch, D. J., results from full-scale measurements of midship bending stresses on 2 dry-cargo ships, 10076
- Froeschner, Richard C., revision of cactus plant bug genus *Hesperolabops* Kirkaldy, etc., 14539
- Froze, cornea, monomethylhydrazine toxicity, 10242
- Frohlich, Phillip, disability insurance and aid to the blind, 11799
- Frohne, Karl-Heinz, reservoir study of William Kaufman lease Clover-Rush Run oil-field, Roane County, W. Va., 14347
- From butter milk to gum log, 12466
- From rote to reason, 5385
- From Rummymede to Ganymede, 18059
- Frondel, Judith W., glossary of uranium and thorium-bearing minerals, 17819
- Frost, Oakley M., potatoes and sweet-potatoes, usual dates for planting, harvesting, marketing, by seasons, etc., 13211
- Frost, W. T., water supply outlook and Federal-State-private cooperative snow surveys for Oregon, 4049
- Frost, pavement evaluation for frost conditions, Army technical manuals, 5741, 5743, 7394
- Frozen foods, purchased, home care, 17315
 - see also* Cold storage—also names or classes of foods frozen.
- Frozen ground:
 - bibliography, with abstracts, 14791
 - interface between ice and silicate surfaces, 11982
 - phase composition of frozen montmorillonite-water mixtures from heat capacity measurements, 14792
- Fruit:
 - canned, foreign agriculture circulars, 3345
 - canned deciduous, Greek industry, 17792
 - census of agriculture, 5903-4, 7499-7510, 8962-65, 10388-398, 12091-92, 12404-412, 14837-839, 16036-40, 17442
 - containers, standard acts of 1916 and 1928, repeal—
 - hearings, 751, 4636
 - report, 889
 - controlled atmosphere storage, development, 7959
 - culture, etc., publications, price list, 5417
 - deciduous, foreign agriculture circulars, 3345
 - disinfestation by gamma irradiation, dosimetry, tolerance, and shelf life extension, annual report, 5794
 - dried, foreign agriculture circulars, 3345
 - fresh—
 - market news, weekly summary, 3361
 - prices, 1966, Chicago and New York City, 10203
 - shipments, by commodities, etc., 10874
 - shipments, by States, etc., 10873
 - fresh, unloads—
 - eastern cities, by commodities, States, etc., 7830
 - for 41 cities, 7834
 - midwestern cities, by commodities, States, etc., 7832
 - southern cities, by commodities, States, etc., 7833
 - western cities, by commodities, States, etc., 7831
 - fruit situation, 3364
 - fruits and vegetables, bright jewels, guide for program aides in home economics, 4133
 - good choices for thrifty family, variety, selection and use, 9339
 - home canning, 15850
 - home freezing, 11930
 - home garden, Pacific Coast States and Arizona, 5635
 - how to use USDA grades in buying, 5671
 - irradiation preservation, 1784
 - Mexican, fumigation with ethylene dibromide, manual, 13203
 - noncitrus, production, use, value, by States, 11944, 14695-696
 - northern Great Plains, growing for home use, 7272
 - perishable agricultural commodities act, fair trading in fruit industry, 13236
 - processed—
 - plants under USDA continuous inspection, list, 16447
 - standards for grades, 6135
 - USDA inspection service, 11937
 - shelf life, extending by use of radiation technology in postharvest procedures, 5792
 - storing in basements, cellars, outbuildings, and plots, 5631
 - vitamin A, good choice for thrifty family, selection, 9337

Fruit—Continued
 vitamin C, good choice for thrifty family, selection, 9338
see also Horticultural products—*also* names of fruits.
 Fruit juices, consumer purchases (periodical), 3145
 Fruits, *see* Fruit.
 Frustums, aerodynamic characteristics for cone-cylinder-frustum-cylinder configurations, 9804
 Fry, Bernard L., feasibility of V/STOL concepts for short-haul transport aircraft, 12851
 Fry, Edward R.:
 revision of bank credit series, 16595
 revision of money supply series, 16596
 Frye, L. R., heat exchange, classification definitions, 18127
 FSLIC, *see* Federal Savings and Loan Insurance Corporation.
 FTSR letter, 5895-97
 Fuel:
 distillate fuels, hydrogenation studies, 12817
 emulsified, feasibility of burning in gas turbine engines, 11998
 Federal item identification guides for supply cataloging, supplements, 3290
 flame fuels, Army technical manual, 105
 fluorine and fluorine-oxygen mixtures in rocket systems, handling and use, 11425
 fuel and lighting devices, classification definitions, 13043
 fuels and electric energy used, by major groups, etc., annual survey of manufacturers, 17419
 high-energy, for supersonic transport reserves, 11532
 hydrocarbon, flammability properties, 17094
 industries, employment and injuries minerals yearbook chapter, 2536
 mineral-fuel industries review, minerals yearbook chapter, 5132
 mineral fuels, minerals yearbook—departmental edition, 11366
 document edition, 10495
 minimum fuel ascent from lunar surface, 16994
 missile fuel, Air Force Dept. procurement from sole-source supplier, GAO review, 9551
 publications, price list, 2803
 resources, Green River formations, Utah and Colo., 12610
 retail prices and indexes, 3830
 rocket, solid, outgassing rates in vacuum, 5262
 sloshing experiments, baffle thickness effects, 2700
 temperatures in gaseous nuclear rocket engine, local and average estimates, 16998
 used in mineral industries, census of mineral industries, 7470
 see also Forest fires—Liquid fuels—Motor fuel—Reactor fuels.
 Fuel cells, *see* Electric batteries.
 Fuel elements, *see* Reactor fuel elements.
 Fuel oil:
 and residential and commercial heating markets, outlook (remarks), 17101
 bunker oil, foreign trade reports, 3998
 bunker oil laden in U.S. on vessels engaged in foreign trade, 1966 calendar year, 10399
 burner fuel oils, petroleum products survey, 16860
 diesel fuel oils, petroleum products survey, 2568
 liquid fueling and dispensing facilities, design manual, 13016
 Navy, sea water contamination, microwave monitoring, 15637

Fuel tanks, *see* Tanks.
 Fuel valves, *see* Valves.
 Fuels, *see* Fuel—Reactor fuels.
 Fuller, Dennis E., static stability characteristics swept arrow wing model, etc., 14473
 Fulton, John D.:
 microorganisms in 2 types of air masses at 690 meters over a city, 66
 microorganisms of land air mass as it traverses ocean, 68
 relationship between altitude and micropopulation, 1733
 relationship between frontal activity and micropopulation at altitude, 1732
 Fulton, Kenneth, postal life, magazine for postal employees, 13055
 Fultonberg, D. N., corrosion of aluminum in water, 17938
 Fumich, George, jr., remarks, May 3, 1967, 8997
 Fumigation:
 Mexican fruits with ethylene dibromide, 13203
 roller system to facilitate covering boxcars with tarpaulins, 13202
 wheat with methyl bromide, gravity-penetration, single-pass, and closed-recirculation methods, 15861
 Fun Wat Hoy, *see* Hoy, Fun Wat.
 Functional analysis, minimum principle in calculus of variations, Italian study, 4995
 Functions (mathematical), *see* Mathematics.
 Fund raising:
 voluntary health and welfare agencies within Federal service, manual, 3539
 change, 4399
 Funds:
 Federal contributions, opportunities for reducing by maximizing investment of excess funds held by local housing authorities, Housing and Urban Development Dept., GAO report, 6376
 Federal, day care projects, 8792, 10140
 objectives for Federal funds (address), 13957
 requisition fund codes, MILSTRIP, 16473
 see also Money—Revolving funds—Welfare funds—*also* names of departments, etc., for which funds are used—*also* subjects for which funds are used.
 Fundulea Agricultural Research Institute, Rumania, activities, 10th anniversary, 9612
 Funeral directors, *see* Undertakers and undertaking.
 Fungi, *see* Streptomyces.
 Funk, David T., annotated bibliography of walnuts and related species, 8108
 Fur seals, *see* Seals (animals).
 Furman, Albert L., soil survey of Seminole County, Fla., 2876
 Furnaces:
 equipment, Federal item identification guides for supply cataloging, supplements, 3288
 Federal item identification guide, 15184
 see also Blast furnaces—Electric furnaces.
 Furness, Betty, remarks, May 26, 1967, 11701
 Furnishings, *see* Household goods.
 Furniture:
 Federal item identification guides for supply cataloging, supplements, 3292
 household, current industrial reports, 7479
 retail furniture report, 3829
 retailing, bibliography, 15732
 see also Office furniture and equipment.
 Furs, Federal item identification guides for supply cataloging, supplements, 3292
 Fuselage:
 aft mounted nacelles effects on subsonic longitudinal aerodynamic characteristics of twin-turbojet airplane, 2730
 variable-sweep wing-fuselage configuration, effect of skewed wing tip controls, 8187

Fuses (ignition devices) :
 consolidated identification list for test
 evaluation, Federal supply catalog, De-
 fence Dept. section, 3318, 7855
 Fuses (safety devices) :
 fused diode provides visual indication of
 fuse condition, 14431
 solid-state recoverable fuse functions as
 circuit breaker, 6845
 Fusiform rust, infections, sodium arsenite,
 possible eradicator, 12581
 Fusion, welding, workmanship standards,
 14365
 Fusion (nuclear), *see* Nuclear fusion.
 Fuste, Ricardo R., relief, 275, 584
 Fusulinidae :
 from Graford formation and Winchell
 limestone, Brown County, Texas, 12615
 Permian tethyan fusulinids from Califor-
 nia, 16699
 Future in materials, 17472
 Future national space objectives, 2058
 Futures, *see* Commodity exchanges—Specu-
 lation.
 Fuzes, *see* Fuses (safety devices).

G

G.A.O., *see* General Accounting Office.
 Gabon :
 labor conditions, 2509
 mineral industry, minerals yearbook chap-
 ter, 8348
 Gabriel, W. F., tunnel diode low-level detec-
 tion, 11493
 Gabron, Frank, thermal nanikin, 1435
 Gadomski, S. T., dry-packed beds for re-
 moval of strong-acid gases from recycled
 atmospheres, 5350
 Gages :
 continuity, measurement of crack growth
 on flat and curved surfaces at cryogenic
 temperatures, 2721
 controls, force for placing chips on sub-
 strates, 6832
 displacement, for crack-extension measure-
 ments, design and use, 1513
 mechanical gage checks tubing flare,
 roundness and concentricity, 6816
 multiple element foil, crack growth meas-
 ured on flat and curved surfaces at
 cryogenic temperatures, 17992
 pipe thread, holding fixture facilitates
 measurements, 8474
 tests tube flares quickly and accurately,
 5210
 three component borehole deformation, for
 determining stress in rock, 15481
see also Ionization gages—Liquid level
 gages—Pressure gages—Rivers—Skin
 friction gages—Strain gages—Vacuum
 gages.
 Gaging stations, Pacific Northwest, annual
 peak water discharge, 16680
 Gainesville, Fla., Insects Affecting Man and
 Animals Research Laboratory, materials
 evaluated, 14736
 Galaid, Ruth C., welfare in review, 4061
 Galaxies, celestial X-ray sources, high
 angular resolution studies program, 8428
 Gale, Hazen E., farm food marketing bill and
 its components, 6170
 Galeana Mine, Wallace, Idaho, stress ellipsoid
 determination in rock-burst-prone area,
 14351
 Galeoida, *see* Sharks.
 Gall, Lorraine S., effect of diet and atmos-
 phere on intestinal and skin flora, 9799
 Gallagher, James F., variability of water
 masses in Indian Ocean, 11650
 Gallatin, Albert, 14-cent regular postage
 stamp (poster), 5286

Gallaudet College :
 model secondary school for deaf to serve
 National Capital region, establish-
 ment and operation—
 law, 408
 law, legislative summary, 8192
 Galloway, Lowell E., Interindustry labor
 mobility in United States, 13119
 Gallinules, bunting, possession, transporta-
 tion, importation, 1967-68, Federal regu-
 lations, 16623
 Gallium, extraction from coal fly ash and
 phosphorus furnace flue dust, 9789
 Gallo, William F., investigation of methods
 for predicting flow in shock layer over
 bodies at small angles of attack, 11507
 Galura, Julieta G., *see* Bersamin, Julieta G.
 Galvanic corrosion, *see* Corrosion and anti-
 corrosives.
 Galvanic couples, *see* Voltaic couples.
 Galvanomagnetism, *see* Electromagnetism.
 Galvin, Cyril J., longshore current data,
 10952
 Gambel oak, *see* Oak.
 Gambia :
 background notes, 11817
 capsule facts for Armed Forces, 11975
 labor conditions, 1374
 Peace Corps program, agreement, 7193
 Gambling, prohibit certain financial institu-
 tions from participating, hearings, 12292,
 16397
 Game and game birds :
 big game—
 handling your kill, 8056
 inventory, 17788
 conservation, laws relating to, compila-
 tion, 1989
 migratory bird conservation act, amend—
 hearing, 10665
 report, 12265
 migratory birds, Federal regulations gov-
 erning hunting, possession, transporta-
 tion, and importation, 16623
 Alaska, 14961
 migratory waterfowl regulations, 1967-68,
 hearing, 16336
 U.S. game management agent, pilot, Sport
 Fisheries and Wildlife Bureau, careers,
 6345
 Game theory :
 differential game of survival, generalized
 solution, USSR study, 14253
 problem of game encounter of movements,
 USSR study, 12676
 Gamma globulin, change in normal human
 serum parameters during simulated alti-
 tude and aerospace flights, 8868
 Gamma rays :
 angular distribution coefficients, compila-
 tion, 12013
 cesium-137, differential energy and angle
 spectra in water and air, 13326
 effect of gamma irradiated plant food on
 monkeys, USSR study, 6571
 gamma irradiation of fruit and vegetables,
 dosimetry, tolerance and shelf life ex-
 tension related to disinfestation, man-
 ual report, 5794
 gamma radiation, effect on—
 changes in properties of fresh fish, 9669
 reaction of anthracite with fluorine and
 chlorine, 2585
 lethal dose for rabbit, 17347
 low energy, inspection of brazed aluminum
 joints, 16967
 lunar gamma radiation, intensity and
 spectral composition, USSR study, 1281
 prompt gamma rays from radiative cap-
 ture of thermal neutrons, 5776
 repeated treatment, effect on radio-resis-
 tance, virulence and culture character-
 istics of certain pathogenic and related
 bacteria, 12018

Gamma rays—Continued
 shelter through architectural design,
 shielding requirements influence on
 form, 8981
 spectra, analysis by method of least
 squares, computer program, 8650
 thermal neutron capture gamma ray tech-
 niques for nondestructive analysis of
 reactor burnable poisons, 1790
 variations in respiration process during
 gamma radiation of plant tissue, 8511
 Gammaridae, *see* Amphipods.
 Ganser, Howard G., nomination, hearing,
 9327
 Gandy, H. W., laser material research, 5244
 Ganglia, *see* Nerves.
 Gansel, Charles R., do wet- and dry-site eco-
 types exist in slash pine?, 12577
 GAO, *see* General Accounting Office.
 Gaposchkin, Cecilia Payne-, *see* Payae-Gap-
 oschkin, Cecilia.
 Garbage, *see* Refuse.
 Garcia, Armando J. Alonso-, *see* Alonso-
 Garcia, Armando J.
 Garcia, Carlos V. De La Concepcion, *see*
 Concepcion Garcia, Carlos V. De La.
 Garcia, Pedro Lopez, *see* Lopez Garcia,
 Pedro.
 Garcia, R. M., moisture-retention capacity of
 litter under Arizona chaparral communi-
 ties, 14112
 Garcia-Hernandez, Fernando O., relief, 795,
 9220, 10531, 12154
 Garciga, Carlos E., relief, 13751, 16221,
 17522
 Garcini, Mario R., relief, 13768, 16220, 17521
 Garden Grove, Calif., area wage survey,
 12773
 Gardening, vegetable, Caribbean area, 15836
see also Gardens.
 Gardens:
 home and garden bulletins, 31, 1697-98,
 4107, 5629-33, 7272, 8831-32, 10171,
 11930-931, 13224-226, 14743-744,
 15850-855, 17313-319
 home, chrysanthemum growing, 13224
 home fruit—
 northern Great Plains, 7272
 Pacific Coast States and Arizona, 5635
 suburban and farm vegetable gardens,
 planning, planting, etc., 8831
 watermelons, 4118
 Gardner, Daniel E.:
 foreign trade regulations of—
 Angola, 7574
 Mozambique, 4437
 Republic of Zambia, 10459
 Sierra Leone, 12135
 Somali Republic, 12137
 Gardner, Dwayne E., Federal assistance for
 educational planning, acquiring and de-
 veloping sites and constructing facilities,
 10931
 Gardner, H. R., effect of sample size and en-
 vironmental conditions on evaporation of
 water from soil, 10
 Gardner, John W.:
 creative federalism, 2377
 remarks, June 30, 1966, 2377
 Gardner, R. B., designing efficient logging
 systems for northern hardwoods, using
 equipment production capabilities and
 costs, 2330
 Gardner, T. Estelle, low-temperature thermo-
 dynamic properties of hydrates of beryl-
 lum sulfate, 9777
 Garfield, Frank R., toward understanding of
 whole developing economic situation, 4792
 Garfield County, Okla., soil survey report,
 18214
 Garfinkle, M., stereographic representation
 of Knoop hardness anisotropy, 18051
 Garman, Eddie, relief, 12231, 14890
 Gardmedia de Alsina, Rita M., relief, 9196
 Garner, J. D., emergency evacuation tests of
 crashed L-1649, 10321

Garnet, yttrium iron garnet rods, study re-
 veals new magnetostatic echo mode,
 12889
 Garnishment, *see* Attachment.
 Garrett, W. D., influence of surface active
 material on properties of air bubbles at
 air/sea interface, 17088
 Garrick, B. J., analysis of nuclear power
 plant operating and safety experience,
 12007, 13327
 Garrick, J. A. F., sharks of genus *Isurus*, etc.,
 6946
 Garringer, Darwin J., flight demonstration
 of skin-friction gage, 6877
 Garrison, G. W., jr., instabilities in linear
 Hall current accelerators, 5175
 Gary, Ind., midtown west, aid to families
 with dependent children, 13435
 Gas:
 census of mineral industries, 1963—
 crude petroleum and natural gas, in-
 dustry statistics, 5847
 oil and gas field services, industry statis-
 tics, 1854
 characteristics and distribution in western
 Europe, 16102
 cold, with hot plasma, production of in-
 verse population by mixing, USSR
 study, 17866
 density measurements using light scat-
 tering, 11490
 drilling in sea regions, USSR study, 9640
 dynamics of 2-phase liquid-gas weightless
 medium with aid of surface effects, con-
 trol, 11562
 extraction, census of mineral industries,
 1963, industry statistics, 7465
 flow in chemical nonequilibrium, numerical
 integration methods for computing, crit-
 ical analysis, 15568
 flowing axially through constricted arc,
 characteristics, numerical calculations,
 12955
 gas-reservoir properties determined from
 pressure buildup data, 15479
 heating value of high purity methane, cal-
 culation for reference material, 2745
 industry—
 injury experience, 16851
 rapid development in USSR, 2451
 injected, in supersonic stream, concen-
 tration measurements, 8489
 interstate compact to conserve oil and
 gas—
 consent of Congress to extend—
 hearing, 15042
 report, 10737
 report of Attorney General, 15431
 leak detector is simple and inexpensive,
 6827
 leases, reinstatement, etc., by Secretary of
 Interior, hearings, 13708
 liquefied petroleum (LP) gas dealers,
 census of business, 1963, retail trade,
 4270
 liquefied streams, mixer conditions tem-
 perature, 5219
 low rate flow switch, used for gas or liq-
 uid, 8477
 natural—
 accumulation in sedimentary rocks,
 gravimetric effects, 12608
 act—
 amend, hearings, 6093
 regulations under, 2255, 3817, 11028,
 15247
 blast injection, blast furnace operation,
 12828
 isotopic abundance of neon, etc., rel. to
 helium genesis, 9785
 liquids and liquefied refinery gases, min-
 eral industry survey, monthly, 3603
 mineral industry surveys—
 monthly, 3602
 quarterly, 3604

Gas—Continued

- natural—continued
- minerals yearbook chapter, 2567
- pipeline safety regulations, hearings, 16403
- plants, processing, in U.S., 8372
- producers sales to interstate pipeline companies, 7973
- safety of interstate pipelines, hearings, 6093
- United States, 1965, analyses, 2543
- pressure feeds film into camera at high speeds, 5143
- publications, price list, 2803
- radon, useful for medical purposes, safely fixed in quartz, 6695
- retail prices and indexes, 3830
- synthesis, noble metals, molybdenum and tungsten as catalysts, 12827
- temperatures, self-balancing line-reversal pyrometer automatically measures, 15538
- see also* Pipe lines.
- Gas appliances, market for gas equipment in Western Europe, 16102
- Gas bearings, *see* Bearings (machinery).
- Gas chromatographs, *see* Chromatographs.
- Gas chromatography, *see* Chromatography.
- Gas-cooled reactors, *see* Reactors (atomic).
- Gas dynamics, *see* Aerodynamics.
- Gas equipment and appliances, *see* Gas appliances.
- Gas generators, high-performance Brayton cycle radial-flow, design and fabrication, 8409
- Gas pipe lines, *see* Pipe lines.
- Gas turbines, *see* Turbines.
- Gas wells, *see* Gas.
- Gaseous core nuclear rockets, *see* Rockets.
- Gaseous-film cooling of rocket motor with injection near throat, 6882
- Gases:
- centered 1-dimensional unsteady expansion of reacting gas mixture subject to vibrational and chemical nonequilibrium, 6891
- compressible gas, throttling elements in flow, USSR study, 4962
- contaminants during vacuum chamber evacuation detected with quartz crystals, 14416
- cosine law in kinetic theory of gases, 9928
- cryogenic, fast response thermocouple measurement of temperatures, 6820
- diffusion of impurities into silicon from gaseous sources, 1421
- dilute gas-solids mixture, heat transfer characteristics in externally heated tube, numerical method for determining, 14326
- electric dipole moments for molecules in gas phase, selected values, 17035
- equilibrium thermodynamic properties, programs for computing, 9898
- evolution, report, 14518
- exhaust, hot, surface heating rates and pressures, predicting, 6795
- expired, multicomponent, instantaneous monitoring, 2601
- flammable, temporary lights, maritime safety data, 17889
- flow rates, device accurately measures and records, 2677
- flowing through wire matrices at surface temperatures to 5500° R, forced-convection heat-transfer correlations, 9913
- gas containing heat sources, digital computer program for calculating steady temperature and density distributions, 16987
- gas controlled bearing supports, 17975
- gas motivated solids dispersion devices, design, 6687
- gas-solids suspensions, power required to circulate, 15483
- heavy-atom, absorptive properties, 5182

Gases—Continued

- high-pressure, precise analytical samples, system automatically supplies, 11442
- high temperature—
- experimental determination of transport properties, 11412
- utilization for advanced tip turbine fans, 4221
- hot flue, sulfur dioxide removal, process development, 12831
- industrial, current industrial reports, 5864
- inhomogeneous, infrared spectral transmittance, calculation, 5218
- inorganic, current industrial reports, 8939, 10354
- ionized, magnetically induced nonequilibrium electron temperatures, 9995
- irradiated, transferred without contamination or dilution, 8469
- isentropic flow solutions for reacting mixtures in thermochemical equilibrium, 16979
- kinetic theory of bimolecular chemical reaction, diffusive drag, and other processes in mixture, 6909
- liquefied-gas storage containers, covering, USSR study, 15403
- nitrogen tetroxide disposal unit combustion products, 11515
- nonray, nonscattering, approximation for radiant energy transport, 11544
- nuclear blast, underground, escape from ground, 1268
- nuclear explosions underground, vent-gas treatment plant, 1809
- PVT data from Burnett compressibility apparatus, method for treating, 16863
- radiometer-pyrometer, tech brief, 6769
- seeded, thermal absorption, 12866
- shield, inert, monitored by portable spectrometer in welding process, 16960
- space-cabin atmospheres, engineering tradeoffs of one- vs. 2-gas systems, literature review, 12879
- strong acid, removal from recycled atmospheres by dry-packed beds, 5350
- supersonic gas flow around blunt bodies, 12974
- synthesis, using recycle systems, kinetics, 9790
- thermodynamic properties—
- related to expansion of 2-component gas, 11449
- Van der Waals fluid in 2-phase region, 11379
- thermophysical properties of gases below 300° K, 6635
- toroidal ring prevents gas ignition at vent stack outlet, 9853
- trace constituents of closed ecological system, delineation program, 7369
- velocity measured by laser Doppler flow meter, 6847
- see also* Liquefied petroleum gases—Mine gases—Noble gases—*also* names of gases.
- Gaskets:
- and combination space provides effective static seal, 2630
- rubber and alumina, retain vacuum seal in high temperature EMF cell, 5141
- survey, 5195
- Gasoline:
- Federal tax refund, nonhighway and transit users, 1143
- motor, petroleum products survey, 2569, 12811
- outlets at certain postal installations, potential savings available through establishment, Post Office Department, GAO report, 6378
- publications, price list, 2803
- Gasoline service stations, *see* Service stations.
- Gassville, Ark., shirt plant, rural industrialization case study, 17711

Gastroenterology abstracts and citations (periodical), 3372

Gastropods:

- Haliotidae through Adeorbidae, from western Pacific Islands, 4890
- upper Cretaceous, from Pierre shale at Red Bird, Wyo., 8161

Gatchell, Charles J., way to reduce highway guardrail costs, machine-driving of wooden posts, 11138

Gates, George L.:

- deposition of barium sulfate from sea water in oil-well rotary pumps, 11386
- gas-reservoir properties from pressure-buildup data, 15479

Gates, O. R., determination of silver and indium in magnesium base alloys, lead in indium, and zirconium in hafnium, 9985

Gates, electrically operated, for livestock markets, 10153

Gathman, Stuart G., absolute electric field measurements using field mills, 13035

GATT, see General agreement on tariffs and trade.

Gause, Gerald W., silvical characteristics of bigcone Douglas-fir, 14143

Gaussian processes, see Statistical processes.

Gaussian quadrature formulae, see Quadrature approximations.

Gavett, Thomas W. quality and pure price index, 8322

Gavin, James M., testimony, 6102

Gay, Thomas N., list of standing committees, and committee assignments of Senators, etc., 9179

Gazelle, Stanley A., oilseed meals, postwar trends in production and use, 9391

GE series, 3375

Gearing (planetary):

- system to control fluid mixture ratio, conceptual stage, 5201

Gears:

- forged with integral teeth high energy rate system evaluation, 8898
- spur gear design technology, advancement, 5747

Gebhardt, M. R., determining spread factor of water droplets, 10149

GED, see Bis(2-guanidoethyl) disulfide.

Gelechiidae, see Microlepidoptera.

Gelechioidea, see Microlepidoptera.

Gelfan, Lewis D., FAA aviation news, 944

Gels:

- Ben-a-gel, water system, thixotropic suspensions, use of hysteresis loop method to study, 10005
- hydrogen slush, hydrogen gel utilization as fuels for space vehicles, 18006

GEM, see Ground effect machines.

Gemini, see Spacecraft.

Gemini project, see Project Gemini (man-in-space program).

Geminus, LAC 27, lunar chart, 15886

Genealogy, records in National Archives, 17027

General Accounting Office:

- annual report—
- departmental edition, 2340
- document edition, 2012
- appropriations, 1968, legislative—
- hearings, 10633, 12395
- law, 13537
- reports, 10617, 13813

Comptroller General decisions—

- B-(series), 3129
- digests, 3207
- July 1, 1965-June 30, 1966 bound volume, 15292
- monthly, 3128
- findings and recommendations for improving Government operations, 15294, 16158

GAO review (periodical), 3371

policy and procedures manual for guidance of Federal agencies, 6374, 8128-29, 11142-143

General Accounting Office—Continued

- publications, list, 16667
- submission of agency accounting systems for approval, hearing, 737
- transportation manual for guidance of Federal agencies, 3370

General Advisory Committee to Atomic Energy Commission in commemoration of 100th GAC meeting 8913

General agreement on tariffs and trade:

- declaration on provisional accession of—
- Argentina, 11862
- Iceland, 7151
- Tunisia, 2894
- United Arab Republic, 11863
- Yugoslavia, 2895

Kennedy Round—

- agricultural trade negotiations, report, 16643
- completion, results and future impact upon U.S. businessmen (address), 18219
- duty changes in fishery products resulting from GATT negotiations, 12544
- foreign agricultural trade (remarks), 13243
- foreign policy aspects—
- hearings, 730, 10650
- subcommittee report, 10651
- progress and expectations (address), 2418
- Spanish economic development (remarks), 10468
- Spanish edition, 10464
- trade negotiations (address), 14663
- trade policies, hearing, 7805

modifications in U.S. tariff rates, depth of cuts, cotton, wool and man-made fiber textiles, 13354

protocol amending general agreement to introduce pt. 4 on trade and development, 7174

protocol for accession of Yugoslavia to agreement, 10100

staging of tariff concessions, agreement with—

- Canada, 17247
- Japan, 15802
- United Kingdom, 15803

trade agreement with Japan, 5540

trade agreements program and GATT, 1965 report—

- departmental edition, 5404
- document edition, 4469
- trade conference 1964-67, United States negotiations, 13128-129, 15751

General Beverages of Minnesota, Inc., motor carrier accident, 4928

General Counsel, Agriculture Dept., appropriations, 1968, hearings, 10629, 12397

General Counsel, Housing and Urban Development Dept., nomination of Thomas C. McGrath, jr. hearing, 6092

General Counsel of Treasury Department:

- digest of opinions, 2150
- report for Coast Guard, 7844

General Management Training Center, CSC, purpose, etc., 5934, 7548

General Motors Corporation:

- adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Adjustment Assistance Board, 11882
- wage chronology, 2506

General Services Administration:

- annual report, 4883
- appropriations, 1968—
- hearings, 9145, 15147
- reports, 10600, 15131
- basic laws and authorities GSA handbook, revised pages, 15303
- disaster control and civil defense in Federal buildings, handbook change, 14613
- employees, relief, 16171

General Services Administration—Cont.
handtool and paint stocks, transfer from Defense Dept., GAO review, 9546
interagency motor pool vehicles, savings by adopting manufacturers' recommended preventive maintenance programs, GAO report, 16673
mobilization programs, hearing, 12186
motor vehicle utilization in Cape Kennedy interagency motor pool, GAO report, 2333
policies and practices for rebuilding used motor vehicle tires, GAO review, 14162
press releases, 3732
Public Printer to print for and deliver to GSA additional copy of certain publications, law, 396
regional contracts for repair and maintenance of selected office machines, savings available through expanded use, GAO report, 8148
responsibility for care and handling of excess real and related personal property, report, 13794
revision of method of supplying commercial rental cars, GAO report, 9558
sale of federally owned electric power and salt water distillation facilities to government of Virgin Islands, Virgin Islands Corporation, Interior Dept., GAO review, 8146
savings available through use of formal advertising in contracting for automotive tires and tubes, GAO report, 9557
General theory of asymmetric waves in circular waveguide with open end, 11566
Generating random information for experimental decision problems, 4225
Generative organs tumors of secondary sex organs, 2841
Generators, *see* names or types of generators.
Genesee River and Valley:
basin, engineer report—
departmental edition, 2218
document edition, 2067
Genetics:
effect of chemical compounds combined with ionizing radiation, mutagenic activity, USSR studies, 2438
forest trees, bibliography, 4827
genetic traits in tetraploid and diploid alfalfa, illustrated summary, 8849
hexaploid sweetpotato, theoretical segregation ratios of qualitatively inherited characters, 5688
introduction into agriculture, USSR study, 1189
2d Rumanian National Symposium, interview concerning meetings, 12703
theory of genetic information, USSR studies, 17860
Genetics (USSR periodical):
translations, 3374
Geneva, Switzerland, International Labor Organization conference, House delegates to attend, appoint, report, 10604
Geneva conventions, agreements relative to treatment of prisoners of war, Army pamphlet, 15930
Geniostoma, species in New Herblides, Fiji, Samoa, and Tonga, studies, title page and index, 17048
Gennari, J. J., location of deep ocean acoustic sources, 8588
Genovese, Rosa A., relief, 821, 9213, 12235, 13508
Gentile, Augustine, characteristics of persons with impaired hearing, 8660
Geochemical prospecting, *see* Geochemistry—Prospecting.
Geochemistry:
contributions to geochemical prospecting for minerals (series), 4886
data (series), 12606
error in data, theory, 8176

Geochemistry—Continued
estimating geochemical abundance, methods of computation, 9573
field, statistical studies (series), 9573
geochemistry of water (series), 11186
prospecting, use of simple mercury vapor detector, 9568
statistical studies in field geochemistry (series), 8176
tungsten deposits, 1st all-Union conference, 1157
Geodesy:
automation of geodetic work, Hungary, 15365
Eastern Europe, new development, 15358
geodesy and cartography (Hungarian periodical), translations, 17872
geodetic operations in U.S. and in other areas, through international cooperation, report, 14873
geodetic satellite observation station, agreement with—
Japan, 8732, 11867
Mexico, 11859
Hungary, international geodetic conference, 6545
passive geodetic satellite—
canister assemblies, 5184
ground-based photometric surveillance, 11413
inflation rate study, 8426
pathfinders from the stars, new scientific documentary film, announcement, 16085
satellite, use of resonant librating orbits, 14476
technician, examination announcement, 1910
three-dimensional worldwide geodetic reference system, up-dated concept, 6218
use of artificial earth satellites, USSR study, 1212
USSR, scientific research goals, 14257
see also Surveying.
Geodetic technicians, examination announcement, 13445
Geodesics, *see* Geodesy.
Geographers, activities at Moscow University, 12662
Geographic bulletins, 11826, 17222
Geographic distribution of Federal funds for research and development, 13012
Geographic mobility, population of United States, 1874
Geographic Names Board:
decision lists, 1105, 6387, 9559, 14166
gazetteers, 2355, 8152
Geographic note, GE series, 3375
Geographic reports:
Census Bureau, 4356, 16029
State Department, 11827, 17223
Geographical monographs (Communist China periodical):
translations, 1317
Geographical names:
Antarctica, standard place names, 2355
Chile, standard place names, 8152
decision lists, 1105, 6387, 9559, 14166
gazetteers, 2355, 8152
United States, decisions list, 1105
see also names of localities.
Geography:
census, 1970, computer-based geographic coding (paper), 4304
classification, Library of Congress, 5086
distance responses by Air Force Officers in mental status examination, 4174
geographic bulletins, 11826, 17222
geographic note, GE series, 3375
geographic reports—
Census Bureau, 4356, 16029
State Department, 11827, 17223
geographical monographs (Communist China periodical), translations, 1317
instruction, financial assistance guidelines under NDEA, 13956
location codes, 12596

Geography—Continued

- memoirs of geography (Chinese periodical), translations, 1312
- national defense education act—
 - institutes for advanced study, summer 1967, handbook for directors, 1003
 - loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
- world geography II, high school course, study guide, 15180
- see also names of places.

Geography and History, Pan American Institute of, see Pan American Institute of Geography and History.

Geohydrology, see Hydrogeology.

Geological review (Chinese periodical): translation, 1161

Geological Survey:

- appropriations, 1968, hearings, 7734
- bulletins, 1110-13, 2356-61, 4886-88, 6388-95, 8153-58, 9560-62, 11161-169, 12597-604, 14168-169, 15304-306, 16681-687, 17817-821
- circulars, 1114-6396, 9563-71, 15307, 16688-689
- new reports about water in Pacific Northwest, 11170
- press releases, 3733
- professional papers, 1119-24, 2363-72, 4889-91, 6397-6408, 8159-76, 9572-74, 11171-182, 12606-615, 14170-175, 15308-311, 16691-699, 17823-827
- program briefing hearings, 10655
- publications, 17828
- monthly list, 3625
- reports and maps released only in open files, lists, 9563, 15307
- research, summaries, 2372, 4891, 11182, 14175
- water supply papers, 1128-33, 2374-76, 4892-95, 6409-12, 8177-85, 11186-192, 11171-182, 14177-184, 15312-315, 16700-705, 17829-834

Geologists, examination announcement, amendment, 5920

Geology:

- Adam Weiss Peak quadrangle, Hot Springs and Park Counties, Wyo., 2360
- Arabian Peninsula, 1124, 6405-7, 8173
- areal—
 - and aeroradioactivity survey of—
 - Pittsburgh area, 1779
 - southeastern New York and southern New England, 1778
 - northern Alaska, exploration (series), 8159
 - Western Mojave Desert, Calif., 17824
- Atlantic Continental Shelf and slope, geologic background, 4889
- Bahrain, 6405
- bedrock—
 - Chepachet quadrangle, Providence County, RI, 16685
 - Island Falls quadrangle, Aroostook and Penobscot Counties, Maine, 6401
 - Shin Pond and Stacyville quadrangles, Penobscot County, Maine, 17825
- Big Sandy Creek Valley, Lincoln, Cheyenne, and Kiowa Counties, Colo., 11191
- Bosque del Apache National Wildlife Refuge, 17821
- Cascade Springs quadrangle, Fall River County, S. Dak., 14168
- Charlot site vicinity, Lisburne Peninsula, northwestern Alaska, 8162
- Connors Pass quadrangle, Shell Creek range, east-central Nevada, 16694
- contributions to economic geology (series), 4888, 6390-91, 8157-58, 12602, 15306, 16687
- title page and contents, 16681
- contributions to general geology (series), 1111, 2358, 2360, 4887, 11165, 12599-601, 16684-686

Geology—Continued

- Eddy County, N. Mex., between Lake McMillan and Carlsbad Springs, 8178
- Eldorado Springs quadrangle, Boulder and Jefferson Counties, Colo., 11165
- epigenetic uranium deposits in sandstone in United States, 8167
- French Prairie area, northern Willamette Valley, Oreg., 14179
- general and engineering geology of United States Air Force Academy site, Colo., 11179
- geologic interpretation of—
 - aeromagnetic survey of Iron Springs district, Utah, 11173
 - gravity and aeromagnetic maps of Tintic Valley and adjacent areas, 8164
- geologic mapping in sea regions, USSR study, 9640
- geologic occurrence of monazite, 17826
- geological information form for core, grab and dredge samples, coding and key-punching instructions, 6997
- Geological Survey research, summaries, 2372, 4891, 11182, 14175
- geology and uranium deposits of Ralston Buttes district, Jefferson County, Colo., 15308
- geology and uranium deposits of southern Black Hills (series), 12597, 14168
- geomorphology—
 - meeting, Chinese geographical conference, Communist China, 1965, collected works, 11235
 - probability concepts, 2366
- Green River formation, Utah and Colo., 12610
- Greenville quadrangle, Piscataquis and Somerset Counties, Maine, 16684
- Guam, Mariana Islands (series), 1119
- Hot Springs quadrangle, Fall River and Custer Counties, S. Dak., 12597
- Hurley West quadrangle, Grant County, N. Mex., 12601
- igneous, Dry Mountain quadrangle, Jefferson County, Mont., 2358
- Iulskin-Tuxedni region, Alaska, 8163
- Iraq, 6407
- Kelso Junction quadrangle, Mich., 6392
- Kern River alluvial-fan area, ground water, 1116
- Kodiak and nearby islands, Alaska, geologic effects of earthquake, 1121
- Laguna district, N. Mex., 8165
- Lake Bonneville, Weber Delta district, including Ogden, Utah, 6400
- Laramie County, Wyo., 8179
- Late Cretaceous and Cenozoic, with emphasis on Enos Creek detachment thrust fault, 2360
- Lawson-Dumont-Fall River district, Clear Creek County, Colo., 16683
- Mammoth quadrangle, Pinal County, Ariz., 11163
- Menominee iron-bearing district, Dickinson County, Mich., and Florence and Marinette Counties, Wis., 6398
- Mono Craters quadrangle, Calif., structure and metamorphism, 4887
- Mount Fairplay area, Alaska, 12599
- Mount Wilson quadrangle, western San Juan Mountains, Colo., 15304
- North American, abstracts, 2980
- northeastern Nassau County, Long Island, N.Y., 4894
- northern Elkhorn Mountains, Jefferson and Broadwater Counties, Mont., 2367
- northern part of Salar de Atacama, Antofagasta Province, Chile, 11164
- Norwood quadrangle, Norfolk and Suffolk Counties, Mass., 6389
- Parkfield-Cholame, Calif., earthquakes, June-Aug. 1966, surface geologic effects, 9574
- permafrost tunnel, Fairbanks Alaska, 17378

INDEX 1967

Geology—Continued

- Phillipsburg district, Granite County, Mont., 15305
- planning, financing and execution of geological work, decision of Council of Ministers, Rumanian Socialist Republic, 12735
- Portage County, Ohio, 11172
- Potosi quadrangle, Grant County, Wis., and Dubuque County, Iowa, 6388
- publications, price list, 11712
- Puddle Springs quadrangle, Fremont County, Wyo., 12602
- Republic quadrangle and part of Aeneas quadrangle, Ferry County, Wash., 16682
- Rock Run and Goshen Valley areas, northeast Alabama, 9561
- Rumania, planning, financing, and performance of operations, 11252
- Salt Creek area, Bitter Lake National Wildlife Refuge, 17821
- Savannah River and vicinity, for atomic energy plant, 16705
- sedimentary, Saudi Arabia, 1124
- selected quadrangles in Massachusetts (series), 6389, 9560
- Shawnee County, Kans., 11161
- shorter contributions to general geology (series), 1120, 6403, 8166, 8172, 12611-612, 14170, 15309, 16692, 17825
- Steeple Rock mining district, Grant County, N. Mex., 6390
- Stewart Flat quadrangle, Caribou County, Idaho, 11162
- Taunton quadrangle, Bristol and Plymouth Counties, Mass., 9560
- theoretical papers in hydrologic and geomorphic sciences (series), 2366
- Umiat-Maybe Creek region, Alaska, 8159
- upper Mississippi Valley-zinc-lead district (series), 6388
- upper Sevier River basin, Utah, reconnaissance, 14180
- Ute Mountain Indian Reservation, Colo. and N. Mex., 6409
- see also Hydrogeology—Permian period—Pre-Cambrian period—Stratigraphy.
- Geomagnetism, see Terrestrial magnetism.
- Geometric efficiency of electroformed nickel solar concentrator, 14469
- Geometric theory of optimum disorbit problems, 8427
- Geometrical instruments, classification definitions, 18120
- Geometry:
 - configuration geometry, effects on supersonic aerodynamic characteristics of launch vehicle, 5239
 - effect on sonic boom, 18041
 - emergency construction and geometric design for roads, streets, walks, and open storage areas at military installations, 5742
 - metal distribution in 5 veins of Fresnillo mine, Zacatecas, Mexico, 9771
 - radiative, conductive, and convective heat transfer problems, computer program solves, 17959
 - solving crime by geometry, USSR study, 1238
 - space oriented, for secondary levels, supplement, 8513
 - turbine, variable, for small gas turbine engines, study, 11996
- Geomorphology, see Geology—Physical geography.
- Geophysical prospecting, see Prospecting.
- Geophysics:
 - American Meteorological Society abstracts, 3636
 - bedrock in Island Falls quadrangle, Aroostook and Penobscot Counties, Maine, 6401
 - geophysical abstracts, 3376
 - geophysical field investigations (series), 2368, 8164, 11173

Geophysics—Continued

- geophysics and space data bulletin, 3377
- presbot geophysical measurements at Pre-Gondola Project site, 15962
- regional investigations of Moub-Needles area, Utah, 2368
- solar-geophysical data (periodical), 10969
- Soviet bloc research (periodical), 3886
- Soviet, modern techniques used, 12669
- Georgaras, Demetrios K., relief, 7654
- Georgaras, James K., see Georgaras, Demetrios, K.
- George, D'Arcy R., desulfating Great Salt Lake brines and sea water, 6688
- George, Donald A., insecticide residues on forage crops, 8803
- George, Ernest J., shelterbelts for northern Great Plains, 1689
- George, J., Mishell, address, Nov. 15, 1966, 2416
- George, Lawrence C., vapor pressure of metal halides, 16864
- George, M., DYNAGYRO, mechanical stability augmentation system for helicopters, 13307
- George, Samuel F., cross modulation in Scamp signal processor, 9990
- Georgetown commercial architecture, Wisconsin Ave., 11616
- Georgetown University:
 - charter, amend to clarify corporate name—law, 370
 - report, 4501
- Georgia:
 - census of agriculture, 1964, State and county statistics, 16038
 - census of manufacturers, 1963, area statistics, 1836
 - census of mineral industries, 1963, area statistics, 4283
 - climatological data, 3096
 - convey property situated therein, reports, 10528, 17630
 - county business patterns, 4310, 13369
 - electric rate book, 2248
 - employment security agency, State employment security agencies, ensure salary comparability, procedures, need for strengthening, Employment Security Bureau, Labor Dept., GAO report, 8134
 - equal opportunity in federally assisted agricultural programs, 16061
 - landings, fish and shellfish, 3378, 16613
 - mineral industry, minerals yearbook chapter, 2552
 - north, forest industry outlook, 1650
 - precipitation data, hourly, 3401
 - soil survey laboratory data and descriptions, 18216
 - southern, Gulf Series in subsurface, 16692
- Georginn Soviet Socialist Republic, medical science, 1155
- Georgiev, Steven, feasibility study of experiment for determining properties of Mars atmosphere, 14371
- Georgiyev, Vladimir, Vice President, Bulgarian Academy of Sciences, interviewed, 4991, 6480
- Geothermal energy:
 - steam and associated resources, disposition, hearings, 4546, 12411, 15037
 - steam resources, develop, message from the President, 5992
- Gerald, John O., freight car situation and prospects, 10919
- Gerardt, Peter A., space flight emergencies and space flight safety, survey, 9171
- Gerher, Carl R., civil, industrial, and scientific uses for nuclear explosives, bibliography, 5787
- Gerhards, C. C.:
 - physical and mechanical properties of—blackbutt eucalyptus grown in Hawaii, 2328
 - Norfolk-Island-pine grown in Hawaii, 8105

- Geriatrics, USSR conferences, 1185
 Gerig, Daniel, pension and medical care legislation in Canada, 5516
 Gering Valley, project, drop structure, hydro-
 draulic model investigation, 6213
 Germ-free life:
 amicrobic mammals, raising, USSR study,
 6483
 gnotobiology, basic aspects, USSR studies,
 6484
 gnotobiology in Czechoslovakia, 16761
 Germain, Charles J., cylindrical screen cage
 for rearing bark beetles, 14114
 Germanium, extraction from coal fly ash and
 phosphorus furnace flue dust, 9789
 Germany:
 East, see below, Soviet zone.
 Federal Republic—
 economy, basic data, 10463
 economic statistics, handbook, 3388
 establishing business in, 10458
 market for residential heating equip-
 ment, 5953
 mineral industry, minerals yearbook
 chapter, 12801
 paintings to be transferred in trust for
 Weimar Museum—
 agreement, 7190
 hearings, 741
 postwar economic assistance claim, set-
 tlement, agreement, 11849
 research vessel, Walter Herwig, 17772
 travel to United States, market survey,
 5583
 foreign policy documents, 1625
 German Democratic Republic, see below,
 Soviet Zone.
 Soviet Zone—
 East German couple reports on trip to
 North Vietnam, 11266
 economy, basic data, 5956
 German Democratic Republic agricul-
 tural institutions, research work,
 6572
 mineral industry, minerals yearbook
 chapter, 8347
 North Vietnamese interviewed on Viet-
 nam war by East German couple,
 12672
 plotters, use in air defense system, 2437
 Third Reich, 1st phase, foreign policy docu-
 ments, 1625
 U.S. Army personnel ordered to, helpful
 hints, DA pamphlet, 13299
 West, see above, Federal Republic.
 Germination:
 paper and yellow birch in simulated strip
 cuttings, 4849
 percentage of filled fourwing saltbush
 seeds, 11128
 white pine seed collected at weekly inter-
 vals from 5 trees, 12580
 Gerontology, USSR conferences, 1185
 Gerrity, Martin V., New Zealand's livestock
 and meat industry, 11097
 Gerstenberg, H. M., Halpern-type neutron
 detector, 11592
 Gerstle, Richard W., atmospheric emissions
 from nitric acid manufacturing processes,
 5428
 Gertler, Diane B., directory of Federal statis-
 tistics for local areas, guide to sources,
 1966, 1879
 Gerver, Joan, community care of mentally
 ill, selected annotated bibliography, 1590
 Geymeyer, Helmut G., influence of reinforce-
 ment details on yield line pattern and ulti-
 mate load-carrying capacity of reinforced
 concrete slabs, 17736
 GF series, 180, 1881-82, 5886-87, 7492,
 10380, 13399-400, 16030-31
 Ghana:
 agricultural commodities, agreement,
 14684
 foreign trade regulations, 4432
 housing, basic information, 6418
 Ghana—Continued
 investment guaranties, agreement, 10104
 labor conditions, 2510
 mineral industry, minerals yearbook chap-
 ter, 8349
 Ghazzaly, Osman I., laboratory stress-de-
 formation characteristics of soils under
 static loading, 2596
 Ghetto, see Race problems.
 Ghista, Dhanjoo N., structural optimization
 with probability of failure constraint,
 5252
 GI loans, see Loans.
 Giachino, Fred E., air reservist, 3011
 Gibberellin acid, spray effect on seedlings of
 eastern redcedar, bur oak, and red oak,
 11129
 Gibberellins gibberellin-induced growth of
 dormant sweetgum, 8093
 Gibbons, J. F., BONUS core development
 program, 8901
 Gibson, Frederick W., aerodynamic investi-
 gation of some high-drag entry shapes at
 Mach 15.4, 16986
 Gibson, James O., passive geodetic satellite
 canister assemblies, 5184
 Gieseman, Raymond W., underemployment
 concept, way to measure need for economic
 development in Appalachia, 10922
 Gifford, Gerald F., influence of growth media,
 temperatures and light intensities on aspen
 root and top growth, 14091
 Gifford Pinchot National Forest, progress
 report, 8055
 Gift tax, see Inheritance and transfer tax.
 Gifts:
 District of Columbia uniform gifts to
 minors act, permitting deposit in sav-
 ings and loan associations, etc., report,
 13639
 expenses, rules for deducting from income
 tax, 2410
 foreign, acceptance by government officials
 and employees, establish basic uniform
 standards—
 law, 391
 Ramseyer rule print, 734
 Gila River water supply outlook and snow
 surveys, 4044
 Gila River Indian Reservation, leasing of
 Indian land for 99-year term, authorize,
 report, 12243
 Gilbert, Carter R., revision of hammerhead
 sharks (family Sphyrnidae), 9952
 Gilbert, Charles A.:
 forearm vascular responses to lower body
 negative pressure and orthostasis, 4174
 sodium and water excretion and renal
 hemodynamics during lower body nega-
 tive, 14770
 Gilbert and Ellice Islands, Ocean Island,
 mineral industry, minerals yearbook chap-
 ter, 9759
 Gilbertson, E. C., training homemaker-home
 health aide in personal care, 15714
 Giles, Robert E.:
 remarks—
 Jan. 24, 1967, 4426
 Feb. 28, 1967, 5958
 Giles County, Va., Clinton hematitic sand-
 stone deposits, Butt Mountain area, 12819
 Gilkey, Millard M., water requirements and
 uses in Wyoming mineral industries, 12796
 Gilkey, Robert M., Jr., relief, 9080
 Gill, Frank B., pelagic distribution of sea-
 birds in western Indian Ocean, 14534
 Gill, James R., Red Bird section of upper
 Cretaceous Pierre shale in Wyoming, 2363
 Gillespie, W. J.:
 effect of atrial systole on right ventricular
 stroke output in man, 11956
 vascular and lymphatic absorption of ra-
 dioactive albumin from lungs, 13269
 Gillelt, Philip W., college algebra, study
 guide, 9363

INDEX 1967

- Gillies, Roderick M.:
 remarks—
 Jan. 24, 1967, 4447
 Jan. 27, 1967, 4448
- Gilliland, E. R., use of magnetic fields to produce ionic concentration gradients, 9589
- Gilliland, Whitney:
 addresses, etc.—
 Nov. 30-Dec. 2, 1966, 1898
 Apr. 13-14, 1967, 8971
 Oct. 12, 1967, 17447
 Oct. 17, 1967, 17449
- Gilmore, John S.:
 channels of technology acquisition in commercial firms, and NASA dissemination program, 14375
 defense systems resources in civil sector, evolving approach, uncertain market, 17371
- Ginning, *see* Cotton gins and ginning.
- Ginseng, growing, 14742
- Girl Scouts of United States of America, report, 13551
- Girls:
 abilities, in 4-H clothing projects, 48
 counseling, awareness, analysis, action, 13968
 every girl needs chance to become somebody, Job Corps Information, 4686
 expanding opportunities, their special counseling needs, 11909
 opportunities in crafts and trades (address), 8796
 7-to-10-year old, in selected Southern States, basic data on metabolic patterns, 13227
 where will you go when the go-go's gone? employment information, 8797
- Giron, David J., viral antibody production in animals exposed to space cabin environment, 74
- Gitterman, Henry, use of waste heat for production of fresh water, 6450
- Giulianetti, Demo J., longitudinal aerodynamic characteristics in ground effect of large-scale, V-STOL model with 4 tilting ducted fans arranged in dual tandem configuration, 18045
- Guiliano, Vincent E., laboratory evaluation of message retrieval systems, 4166
- Gusti, Ernest H., mobilization of Marine Corps Reserve in Korean conflict, 17906
- Glacier National Park, general information, 9958
- Glacier Park Wilderness, designate, hearings, 15163
- Glacier Peak Wilderness, modify, report, 17631
- Glaciers:
 Alaska earthquake, 1964, effects on glaciers, 11178
 ice sheet dimensions, effect of basal water layer, 4196
 non-temperate, sliding, 7379
 thermal probe, heat transfer and performance analysis, 17377
- Gladolus, production and sales, etc., 10108
- Glands, *see* Adrenal glands.
- Glare reduction surfaces for automotive vehicles, Federal standard, 6323
- Glaser, Peter E., thermal insulations systems, 17953
- Glaser, Rudolf F., alysymmetric vibrations of partially liquid-filled cylindrical containers, 12942
- Glasgow Air Force Base, facilities, use by Northwest Regional Services Corporation, hearings, 15156
- Glass:
 cracks in glass electrical connector headers removed by dry blasting with fine abrasives, 12886
- Glass—Continued
 fibrous glass, 1966, current industrial reports, 10353
 figured, corrugated, plate, sheet, and spandrel, Federal item identification guide, 6149
 flat, current industrial reports, 3170
 formulation, with high coefficient of thermal expansion, 8400
 oxide-glass compositions, hot rolling, 12820
 sheet, blown or drawn, flat, Tariff Commission report, 17254
 soda-lime, spreading of organic liquids on, effect of adsorbed water, 18110
 viscosity of standard lead silica glass, 1520
see also names of manufactured articles and materials.
- Glass bead shot peening retards stress corrosion failure of titanium tanks, 14413
- Glass fibers:
 fabrication techniques for fiber glass reinforced primary aircraft structures, 4222
 laminated, liquid crystals detect voids, 16941
 nonwoven glass fiber mat reinforces polyurethane adhesive, 11450
- Glass Mountains, Permian rock units, nomenclature, etc., 1113
- Glasses, *see* Spectacles.
- Glassware, consumer, scientific, technical, and industrial, current industrial reports, 4324, 13390
see also names of articles manufactured from glass.
- Glatte, H. V., study of man in oxygen-helium atmosphere, renal response, 87
- Glaucoma, hope through research, 18167
- Glen Canyon Dam, general information, 11773
- Glen Canyon National Recreation Area, general information, 2755
- Glendale, Ariz., land conveyance, report, 15129
- Glenn, William G., normal human serum parameters for simulated altitude and aerospace flights, etc., 7341-42, 8868
- Glennon, John P., American foreign policy, current documents, 8705, 17211
- Glick, Norman D., establishing business in Japan, 232
- Glick, Perry A., aerial dispersal of pink bollworm in U.S. and Mexico, 5678
- Glide path systems, altitude rate command system, 9997
- Glider (aircraft):
 paraglider configuration having large tapered leading edges and keel, free-flight drop-test investigation, 1475
- Globulin:
 antihemophilic, in-vivo inactivation by hydrazine, relation to fibrinolytic mechanism, 14771
 protein structure according to data from X-ray structural crystallography, USSR study, 12726
- Gloiopotes, *see* Copepods.
- Glossaries:
 abbreviations used in Latin American press, 12721
 plastic terms, consensus, 4680
 uranium and thorium-bearing minerals, 17619
- Glover, James E., Turtle Creek, Pa., channel improvement, 7932
- Gloves, current industrial reports, 4328, 13392
- Glow discharge density sensor probe life is extended, 14430
- Gluckman, Albert G., proper rotations of 3-dimensional orthogonal frame, 6861
- Gluckman, Lillian A., control now for clean air, 3d National Conference on Air Pollution, 14620

- Glucose:
arterial, in anesthetized dog, hydrazine effect, 7359
blood glucose concentration, affects effects of hydrazine on fat transport, 65
serum levels, periodontal status, 4178
values in Macaca mulatta monkey, 7368
- Glue, see Adhesives.
- Glycogen, liver, in anesthetized dog, hydrazine effect, 7359
Glyptocelis, see Beetles.
- GMC, see General Motors Corporation.
- Gneiss, Carney Lake gneiss and associated rocks, geology, 6398
- Gnotobiotics, see Germ-free life.
- Goals for urban America, 17022
- Gobel, Julio J. Castellanos Lopez, see Castellanos Lopez, Julio J.
- Gobetz, Frank W., minimum-impulse time-free transfer between elliptic orbits, 1432
- Goddard, James E., emerging program for managing flood losses, 13162
- Goddard, James L., address, Sept. 27, 1966, 14075
- Goddard Space Flight Center:
Goddard '66, year in review, chronology, etc., 12846
publications, 1959-62 collection, 11578-579
- Godin, Alfred J., test of grit types in alleviating lead poisoning in mallards, 17786
- Godley, Frank H., fertility and educational attainment, Puerto Rico, 15715
- Goerlitz, Donald P., determination of phenoxy acid herbicides in water by electron-capture and microconformetric gas chromatography, 15312
- Gogel, Walter C., problems in depth perception, perceived size and distance of familiar objects, 138
- Gold, Harold, slosh dynamics study in near zero gravity, description of vehicle and spacecraft, 11530
- Gold:
deposits, United States production potential, 9755
determination in geologic materials by solvent extraction and atomic-absorption spectrometry, 16688
distribution—
Cripple Creek district, Colo., 9571
diamond-drill core from Homestake Mine, Lead, S. Dak., 6679
Ely mining district, White Pine County, Nev., 9564
domestic mining industry, increase production, etc.—
hearings, 12302
reports, 649, 16288
gold-bearing sedimentary rocks in north-west Wyoming, preliminary report, 9569
its properties, fabrication and uses, 2742
mine production, monthly, 3379
minerals yearbook chapter, 6634
mining industry, production incentives—
hearing, 7814
report, 7780
mining subsidies, provide grants-in-aid to States—
hearings, 12302
report, 16288
production and consumption, 1964, report, 8381
radiogold, application in ovarian cancer treatment, 5031
substituting gold for silver improves electrical connections, 15528
United States movements, 12093
monthly, 3983
- Gold (money):
Mint Bureau, report, 8381
- Gold Mines Assistance Commission:
establish—
hearings, 12302
reports, 649, 16288
- Golberg, Aaron, genus *Melochia* L., 14532
- Golden Spike Centennial Celebration Commission:
establish—
law, 14914
reports, 924, 9289, 13673
- Goldfield, Edwila D.:
county and city data book 1967, statistical abstract supplement—
departmental edition, 12041
document edition, 12201
- Golding, Nathaniel, labor's view of manpower policy, 14279
- Goldfrank, Esther S., artist of Isleta paintings in pueblo society, 14547
- Goldman, Louis, J., expansion and flow characteristics of initially saturated sodium, potassium, and cesium vapors, 2717
- Goldstein, Charles M., electron flow in low-density argon gas including space-charge and elastic collisions, 14480
- Gomez, Anselmo S. Alvarez, see Alvarez-Gomez, Anselmo S.
- Gomez, Gustavo E., relief, 9216
- Gomez, Manuel:
effect of carbonization conditions, etc., on coke size and strength parameters, 16866
estimation of low-temperature carbonization product yield, Utah coalfields, 14345
- Gonodactylus, see Crustaceans.
- Gonvil, Lathée, or heirs, relief, 610
- Gonvil, Marie, or heirs, relief, 610
- Gonyaulax catenella, feasibility of mass, outdoor cultivation, 15684
- Gonzalez, Eduardo, relief, 10712
- Gonzalez, Hugo, relief, 13767, 16218, 17519
- Gonzalez, Noel O., relief, 10720
- Good day at Rough Rock, 9400
- Good housekeeping for successful safety program, 12766, 16801
- Good training, good jobs, MDTA Detroit Skills Center, 16500
- Goodbye to birds and bees, 10932
- Goode, R. J., metallurgical characteristics of high strength structural materials, 5363
- Gooding, W. T., Jr., feasibility study of chemical sealing of soils, 17849
- Goodrich, B.P. Co., wage chronology, 1939-66, Akron plant, 8301
- Goodson, Kenneth W., ground effects on 4-propeller tilt-wing configuration over fixed and moving ground plane, 11504
- Goodwin, Morgan E. Panama Canal review, 3674
- Goodwin, Robert C.:
addresses, etc.—
Jan. 9-10, 1967, 6204
June 28, 1967, 12474
Sept. 25, 1967, 16515
- Goodyear, Hugo V., paper, Feb. 6-10, 1967, 5593
- Goodykoontz, Jack H.:
frequency response of forced-flow single-tube boiler with inserts, 18022
heat transfer coefficients and static pressures for condensation of high-velocity steam, 9911
local heat-transfer and pressure distributions for freon-113 condensing in downward flow in vertical tube, 11510
- Gooseberries, see Chinese gooseberries.
- Gorbies, S. G., emission spectra of various thermoluminescent materials, 1552
- Gordon, Colin G., influence of upstream flow discontinuities on acoustic power radiated by model air jet, 6714
- Gordon, Tavia, three views of hypertension and heart disease, 8658
- Gorgas Memorial Hospital:
annual report, 4480
audit report, 4480
- Goring, Sylvia M.:
FAA statistical handbook of aviation, 4756
miscellaneous statistics, general aviation flight plan, etc., 7952

INDEX 1967

- Gor'kiy Medical Institute, USSR failings noted, 4936
- Goshen Valley, geology and bauxite deposits, 9561
- Gosling, Arthur W., patterns of subsurface flow in Bloomington-Colton area, Upper Santa Ana Valley, Calif, 1118
- Gosselin, Dean H., relief, 338
- Gott, Garland B.:
distribution of gold, tellurium, silver, and mercury in—
Cripple Creek district, Colo., 9571
Ely mining district, White Pine County, Nev., 9564
- Goudy, William H., woodcock research and management, 14068
- Goulding, Phil G., nomination, bearing, 9306
- Government:
activist approach to Government-business relations (address), 10327
bookstores, locations in Washington, D.C. area, 5412
business-Government relations (addresses), 1937, 9010, 16092-93
census, 1967, preliminary reports, 13361
census publications, price list, 7056
chart book on governmental finances and employment, 1881
city finances, 13399
civil defense, governmental responsibilities, programmed orientation to civil defense, 13432
condition of American federalism, historian's view, 4638
counselor development in American Society, Government-university relations in professional preparation and employment, conference recommendations, 2482
creative federalism—
addresses, 2377, 16707
hearings, 4639, 13864
creative partnership with business for balanced economy (address), 9012
economy in Government, 1967, background material, 9042
English and Government, Federal textbook on citizenship, 14190, 17844
Federal—
available services for multiple handicapped (remarks), 18142
data processing management, hearings, 16328
domestic programs to assist American people in furthering their social and economic progress, description, 12447
information resources in U.S., directory, 15458
minority group employment, 1930
organization and employees, title, 5, U.S. code, amend—
law, 17537
reports, 7706, 15089
programs, effect on rural America, hearings, 17583
programs for development of human resources—
questions and outline for economic analysis, papers, 12189
replies from Government departments and agencies to questionnaire, compilation, 7590
print additional copies, report, 12240
research and development programs—
decisionmaking process, report, 15001
financed by, investigation and study, authorization, report, 6075
role in air pollution control (address), 13072
self-supporting reinsurance program to protect employees under private pension plans, establish, hearing, 950
services available to help paper industry promote its products abroad (remarks), 6465
Federal-State highway management practices and procedures, hearings, 2055
- Government—Continued
Federal system, improve effectiveness, role of Advisory Commission on Intergovernmental Relations, 13191
finances, 5887, 13400
correction notices, 5886, 16030
governing bodies of Indian groups under Federal supervision, list, 15321
government and 1967 economy (remarks), 7565
government finances, GF series, 180, 1881-82, 5886-87, 7492, 10380, 13399-400, 16030-31
government, universities, and international affairs, crisis in identity, report, 10516
how government measures unemployment, 15437
impact of research and development policies upon scientific and technical manpower, report and recommendations, 4650
interagency motor pool system, potential savings obtainable through increased use, Defense Dept., GAO report, 8137
interchange of young executives between Government and business (address), 17469
interlocal governmental cooperation, study of 5 States, 13942
junior Federal assistant, examination announcement, 13448
living with Government creatively (address), 10454
local—
elective offices, 13361
finances in selected metropolitan areas, 1882, 16031
interlocal agreements and contracts handbook, information report, 8801
manpower and training needs in water pollution control, report, print as Senate document, report, 16362
rat extermination and control, Federal assistance, reports, 12284, 13676
local law enforcement, Federal assistance, amend act—
law, 502
reports, 635, 929
local school systems, standard terminology for instruction, 10942
new patterns of industry-Government partnership in coming decade (address), 4429
operations, improving, General Accounting Office findings and recommendations, 15294, 16158
our American Government, what is it? how does it function? 5977
our Constitution and Government, Federal textbook on citizenship, 12631-632, 14191, 15320
patent policy—
annual report, 2240
hearings, 2127
processes, public participation, essence of democracy, message from the President, 10523
publications on, list, 2802
quality of Government, its machinery, manpower, methods, recommendations to improve, message from the President, 9067
science, government, and international policy, panel—
papers, 12315
proceedings, 9170
science, government, and public policy, Government-science relationships during 89th Congress, 13716
scientific and technical communications, progress, 6244
State and local—
construction expenditures, 5891-93, 10384, 16033

Government—Continued

State and local—Continued
 Federal grants, provide periodic congressional review, etc., hearings, 7:35
 tax revenue, quarterly summaries, 5894, 7495, 10385, 16034
 State finances, 1966 summary, 10380
 use of satellite communications, 1967—
 hearings, 13707
 report, 15000
see also Intergovernmental relations—
also headings beginning Government.
 Government buildings, *see* Public buildings.
 Government contracts:
 administration, Government property in
 possession of contractors, guidance,
 16456
 Air Force research and development—
 contracting officers' handbook, 12260
 laboratory policies and practices for
 procurement management, pamphlet,
 13261
 Air Force systems acquisition, guide for ef-
 fective change processing, 10222
 allowance of over-all loss as cost, revoca-
 tion, 13109
 Army Materiel Command, contractors
 guide, 8880
 barter, for diamonds for stockpile, bal-
 ance-of-payments aspects, GAO report,
 15293
 bidding, etc., costs charged, Defense Dept.
 and NASA, GAO review, 8143
 Business Opportunity-Federal Procure-
 ment Conference, guidelines for pro-
 gram, 8923
 code of Federal regulations, 6290, 9478-79
 construction and architect-engineering
 contracting services for AEC work,
 guide, 13350
 construction, Defense Dept. awards, need
 for compliance with truth-in-negotia-
 tions act of 1962, GAO report, 12588
 contract administration services, Defense
 Supply Agency manual, 6147, 13915
 contract file maintenance, closeout, and
 disposition, regulation supplement, 7846
 contractor procurement system review,
 guide, 6139
 contractor's inspection system, evaluation,
 6154
 contracts and subcontracts, how obtained
 by small business, 7110
 cost information, procedures for reporting,
 to NASA, 9929
 cost or pricing data requirements in award
 of prime contracts and subcontracts, De-
 fense Dept., GAO report, 4867
 Davis-Bacon act, applying provisions to
 Government-leased buildings, hearings,
 17674
 Defense Contract Administration Services,
 traffic management handbook, 10889
 Defense Contract Audit Agency reviews of
 contractors' price proposals, GAO re-
 port, 6385
 defense materials system program identifi-
 cation, use in segregating renegotiable
 and nonrenegotiable subcontracts, 13105
 delays in payment, how to avoid, guide
 for contractors, 17698
 dredging, Engineers Corps policies, etc.,
 relating to cost estimates, bids, and con-
 tract awards, GAO review, 14154
 exemption, contracts with Military Airlift
 Command, procedure under renegotia-
 tion act, 11777
 guide for businessmen doing business with
 Federal Government, 1104
 HEW research contracts, establishing in-
 direct cost rates—
 guide for educational institutions, 8189
 guide for hospitals, 12620
 housing authorized by public contracts,
 construction reports, 14818

Government contracts—Continued

identical bidding in public procurement,
 report of Attorney General, 17883
 interlocal agreements and contracts hand-
 book, information report, 8801
 International Development Agency, pro-
 curement regulations, 17855-856
 Labor Dept. contract research, guidelines,
 6591
 McNamara-O'Hara service contract act—
 application to contract mail haulers,
 7227
 guide, 13177
 NASA cost plus award for contracting
 guide, 16888
 NASA incentive contracting guide, 16927
 NASA procurement directive, 3591
 NASA procurement regulation, 3592
 supplement, 18058
 National Science Foundation, 8566
 Navy prime contractors, selling to, 17100
 negotiated, examination-of-records clause
 requirement, exempt foreign contractors,
 report, 4586
 nuclear materials management, AEC-con-
 tractor meeting, 13316
 painting contracts on Federal facilities in
 Washington area, irregularities in per-
 formance, hearing, 15033
 preparing contractor reports for NASA,
 data presentation, 1443
 procurement—
 code of Federal regulations, 6288-89,
 7983, 9480
 economic impact, report, 9044
 invitations, subcontracting leads, etc.,
 Commerce business daily, 3107
 small business subcontracting and set-
 aside programs, report, 4510
 production manual for Contract Admin-
 istration Services, 16461
 quantity estimates prepared for solici-
 tation of construction bids, GAO review,
 14152
 reduction actions by defense contractors,
 4670
 regional contracts for repair and main-
 tenance of selected office machines, sav-
 ings available through expanded use,
 General Services Administration, GAO
 report, 8148
 renegotiable, voluntary refunds and in-
 terim prepayments, 13110
 renegotiation—
 bulletins, 11777, 13105-110, 15722-723
 cost allowances and disallowances, 15722
 letter not to proceed, 13106
 renegotiation rulings and bulletins—
 index, 15721
 table of citations, 15724
 textile industry, treatment of shorts and
 seconds in segregation of subcontractors'
 sales, 15723
 shipbuilding, price increases, Navy De-
 partment, GAO review, 2351
 shipping operations, renegotiation, 13107
 technical services, policy and practices,
 hearings, 10843
 vessel repair, renegotiability, revocation,
 13108
 Walsh-Healey public contracts act, guide,
 14716
 Government documents, *see* Government
 publications.
 Government employees, *see* Government of-
 ficials and employees.
 Government employment, *see* Employment.
 Government indemnity, *see* Indemnity.
 Government life insurance, *see* Life
 insurance.
 Government offices:
 accounting principles and standards for
 Federal agencies, 12585
 accounting systems, submission for GAO
 approval, hearing, 737

INDEX 1967

Government offices—Continued

administrative practices and procedures—
authorization, report, 4616
delay in administrative proceedings
evaluation charts, 4647
questionnaire survey, 2130
investigation—
expenses, report, 15099
report on findings, 9280
administrative procedure act, amend,
hearings, 13871
agencies with disaster assistance respon-
sibilities, guide, 7919
architect-engineer fees—
Government-wide administration of cer-
tain statutory and regulatory require-
ments, GAO review, 9548
statutory and regulatory Government-
wide administration requirements,
GAO review, 16668
concerned with agricultural information
services offered, 5282
elective, of State and local governments,
12361
executive, reorganization, study, authori-
zation, report, 6076
expenditures for social research, 9161
feasibility of using U.S.-owned excess for-
eign currencies instead of dollars for
ocean shipment of military assistance
program materiel, GAO report, 4866
Federal consumer services, guide, 13064
financial statements, submission, Treas.
Dept. regs., 17267
general Government matters, appropri-
ations, 1968, continue—
hearings, 17635
laws, 13525, 16131, 17547
reports, 12276, 13808, 14988, 16267,
16282, 16285
Government organization manual, 12529
governmental resources, foreign affairs re-
search, directory, 17221
higher education institutions, contracts,
grants, and loans, 7755
improving service to the public, agency
action programs, 14865
independent offices appropriations, 1968—
hearings, 9145, 15147
reports, 10600, 15131
information availability, etc., Attorney
General's memorandum on public infor-
mation section of administrative proce-
dure act, 12762
inter-agency coordination of planning to
take advantage of technological im-
provements relating to—
agency-treasury operations, 10119
disbursing and banking operations of
the Government, 10118
interagency training programs, 10426
international cooperation programs ad-
vancing status of women, reports of
U.S. Government agencies, 8793
international scientific programs, partici-
pation of Federal agencies, report, 6044
invasions of privacy, hearings, print addi-
tional copies, report, 10592
joint financial management improvement
program, annual report, 11144
manpower, improved management, 12209
print as House document, report, 12280
meetings with agency officials, hearings,
9150
motor vehicle fleet management, guide,
15809
organization and employees, title 5, U.S.
Code, amend—
law, 17537
reports, 7706, 15089
organization of Federal executive depart-
ments and agencies—
chart, 10847
committee print, 10848

Government offices—Continued

policies and procedures, General Account-
ing Office guidance manuals, 6374,
8128-29, 11142-143
records and papers, disposition, reports,
705, 7695, 9102, 10553, 10577, 12260,
13628, 13649, 13677, 14958, 16241
regulatory agencies under jurisdiction of
House Interstate and Foreign Commerce
Committee, activities, hearings, 13709
regulatory and enforcement agencies, ac-
tivities relating to small business, re-
port, 4513
reorganization, see in main alphabet, Gov-
ernment reorganization plans.
research and development funds, equitable
distribution among States, hearings,
10839
summer jobs in Federal agencies, 1928
traffic safety role, hearings, appendix,
9315
transportation, GAO guidance manual,
3370
youth opportunity campaign, summer
1966, training conducted by Federal
agencies for non-college groups em-
ployed, report, 7550
see also Government supplies.
Government officials and employees:
absence from duty because of dangerous
weather conditions, to be excused with-
out loss of pay, amend U.S. Code, hear-
ing, 9329
acceptance of gifts and decorations from
foreign governments, establish basic
uniform standards—
law, 391
Ramseyer rule print, 734
administrative leave for hurricanes, etc.,
hearing, 748
administrative leave to employees repre-
senting Government employee organiza-
tions, decision of Comptroller General
regarding, 17610
benefits for service in high-risk situations,
report, 10768
Bulgaria officials, 1966, directory, 4934
career appointment after temporary ser-
vice, acquire through noncompetitive
examination, amend U.S. Code—
hearings, 9329, 10674
law, 17550
reports, 10746, 13637, 16277
compensation, correction of inequities—
law, 450
report, 915
continuing eligibility for disability retire-
ment annuities under civil service re-
tirement system, GAO report, 1102
current workforce data, 1919, 10421
detailing field employees into District of
Columbia, repeal law prohibiting, law
12163
dual benefits payment for same disability
or death, procedures for preventing,
GAO review, 12592
employment and payrolls, monthly, 3894
examination announcement, junior Federal
assistant, 13446
executive inventory, questions and an-
swers for executives, 10419
Federal Aviation Agency, testimony in
legal proceedings, FAA regulations,
11004
Federal employee facts, 1925, 4398
Federal employee's guide housing in
Washington, D.C., area, 4906
Federal employment—
monthly report, 3578
statistics bulletin, 3281
Federal news clip sheet, 3296
Federal personnel, bimonthly statistics,
2985
Federal system as seen by Federal aid
officials, results of questionnaire, print
additional copies, reports, 4597, 10585

Government officials and employees—Cont.
Federal workforce outlook, 12108
fees, salaries, or compensation, jurisdiction of district court over actions to recover, limitation, increase, amend Tucker act, report, 15077
financial protection, 1925
Foreign Service career, general information, 10098
government organization and employees, title 5, U.S. Code, amend—
law, 17537
reports, 7706, 15089
group life insurance—
FPM manual supplement, 3302
health benefits, retired Federal employees health benefits, annual report, 7540
increase coverage—
hearings, 6124, 10673
reports 13662, 13806
veto, 4467, 16155
hazardous duty posts salary differential, etc., message from the President, 5993
health benefits act, text, 4654
health benefits, FPM manual supplement, 3303
high-risk situations, improve benefits, report, 9295
injured employees, compensation payments, prompt adjustment from total to partial disability rates, Employees Compensation Bureau, GAO report, 4870
interagency training programs—
Financial Management and PPBS Training Center, background curriculum, etc., 7547
general information, 10426
General Management Training Center, purposes, etc., 7548
jobs in trades and crafts, equipment operation and repair at journeyman and junior levels, examination announcement, 12102
knowledgeable plastics personnel, directory, 2157
maintenance and service workers in Washington, D.C., metropolitan area, examination announcements, 4403, 10428
amendments, 5925, 7532
marginal employee, management analysis of personnel practices, 2242
maritime employees, annual and sick leave act of 1951, amend, hearing, 4553
medical facilities available to injured in performance of duty under Federal employees' compensation act, 16514
meeting with department and agency officials, hearings, 9150
minority group employees, 1930
number, reduction of employees, Senate amendments, summary, 4568
numerical ceiling, remove—
law, 17550
reports, 10746, 13637, 16277
overseas, Federal voting assistance act of 1955, amend, report, 13817
pay increases, message from the President, 9069
payroll deductions, report, 16385
personnel and pay systems, introduction, 7546
position-classification standards, 3692
postal employees—
field service, ratio of career substitutes, reduce hearings, 17607
instruction and information, 3693
privacy, invasions of, hearings, print additional copies, report, 10592
protect in enjoyment of constitutional rights and prevent invasion of privacy—
hearings, 7822
report, 15121
reemployment rights for those who perform duty in Armed Forces, 5936

Government officials and employees—Cont.
retirement system, benefits and beneficiaries, 11798
rights and responsibilities (address), 5039
salaries, statutory systems, annual report, appendix, 10692
salary act of 1967, hearings, 12310, 17671
salary and retirement annuity increases, 4556
salary classification laws, compilation, 1980
seafaring, additional leave, law, 459
social security coverage, transfer of credits, to close gap in protection, amend U.S. Code, hearings, 10672
staff retirement by systems, appendix to report, 10692
State and local, finances of retirement systems, 7492
summer jobs in Federal agencies, 1928
training act—
implementation, effectiveness, report, 10619
include officers and employees of Senate and House, hearing, 16431
travel expenses, increase, hearing, 16331
unemployment compensation, by industry and State, 3233
use of civil service rather than contractor-furnished employees for NASA support services—
GAO report, 11158
hearing, 16330
voluntary payroll allotment for credit union shares, hearing, 13845
wage board employees, adjusting pay rates, hearings, 12425, 16432
when injured at work, compensation information, 7921, 15219
work injury benefits, 13967
work stoppages, 14308
see also Civil service—Civil service pensions—Postal service—also names of departments, etc., where employed.
Government Operations Committee, House:
activities, 6037
calendar, 3476
committee prints, 2048, 4537-42, 6037, 9161, 15029
hearings, 735-738, 2047, 2049, 9159-60, 10654, 12301, 13706-707, 15028, 15030-35, 16327-331, 17602-603
investigations and studies—
authorization, report, 6020
expenses, report, 7675
recommendations made during 88th Congress, results, 4541
reports, 2021, 2034, 9111, 10606, 10615, 13690, 14947, 14986, 14996-998, 15000-1, 17575
statutes, compilation, 4538
Government Operations Committee, Senate:
activities, 89th Congress, report, 6068
calendar, 3496
committee prints, 2122, 4638, 4641, 6108-9, 9317, 10838, 10848, 13866-867, 16414-415, 17654-655
hearings, 955-956, 2117-21, 4639-40, 4642, 6110-12, 9315-16, 10839-846, 10849-850, 12409, 13864-865, 15156-159, 16412-413, 16416
investigations and studies—
crime and lawlessness within U.S.—
authorization, report, 15083
interim report on riots, etc., 16375
executive reorganization, authorization, report, 6076
foreign aid expenditures, authorization, report, 4626
intergovernmental relations, authorization, report, 6074
national security and international operations, authorization, report, 4669
Permanent Subcommittee operations, authorization, report 6073

INDEX 1967

- Government Operations Committee, Senate—continued
 investigations and studies—Continued
 research and development programs, authorization, report, 6075
 organization chart of Federal executive departments and agencies, 10847
 reports, 900, 906, 2089, 2091, 6068, 10731, 10754-755, 10759, 12392, 13793-794, 16375
 Government organization manual, 12529
 Government periodicals, *see* Periodicals.
 Government Printing Office:
 appropriations, 1968, legislative—
 hearings, 10633, 12398
 law, 13537
 reports, 10617, 13672, 13813
 how to do business with GPO, guide for contractors, 8186
 print and deliver to GSA additional copy of certain publications, law, 396
 style manual, 9577
 abridged edition, 11193
 Government Procurement Commission establish, hearings, 10654
 Government property, *see* Public property.
 Government publications:
 additional copy of certain publications for GSA, Public Printer to print, law, 396
 brush up on your writing, list, 17130
 classified list, 17131
 depository libraries, law governing, and list of libraries, 7765
 exchange, agreement with—
 Jamaica, 13145
 Korea, Republic of, 5543
 International exchange of publications and documents, conventions concerning, report, 9188
 monthly catalog, 3568
 nursing in coronary care units, list, 11754
 price lists—
 Public Documents Division—
 PL series, 1564, 2800-4, 5413-19, 7052-58, 8623, 10037-41, 11712-713, 15669-672, 17132-136, 18149-151
 subscription services, 5414, 10039, 15670, 18150
 selective bibliography of Government research reports and translations, list, 1933
 scientific documentation sponsored by NSF, price, list, 6916
 selected, list (periodical), 3869
 State publications, monthly checklist, 3569
see also Congressional documents—*also* names of departments, etc., issuing publications—*also* subjects.
 Government reorganization plans:
 District of Columbia—
 hearings, 12301, 15022, 15159
 message from the President, 12205
 reports, 13690, 14949
 enacted 89th Cong. 2d sess., 14036
 executive, study, authorize, report, 6076
 Health, Education, and Welfare Department, hearings, 956, 2121, 4642, 6112
 index, 16416
 National Zoological Park—
 hearing, 736
 report, 2021
 ship documents surrender, transfer authority to approve—
 hearings, 9159, 10849
 message from the President, 7398
 State Department, hearings, 956, 2121, 4642, 6112
 index, 16416
 Tariff Commission—
 hearings, 9160, 10850
 message from the President, 9061
 reports, 9111, 10759
 Government securities, yields and prices, 3985
 Government specifications, *see* Government supplies.
 Government supplies:
 Federal item identification guides for supply cataloging, supplements, 3283-93
 Federal item identification guides improvement program procedures manual, 2147
 Federal manual for supply cataloging—
 format, content, and preparation of Federal supply catalog publications, 12439
 FSC classes assigned for integrated management, special procedures, 6140
 international cataloging, 4669
 item identification, 16458
 operating procedures, 17689
 Federal procurement regulations, FPR amendments, 3310
 Federal specifications, 1071, 2266, 4793, 6306, 8007, 9497, 11061, 12537, 14049, 15251, 16600, 17763
 Federal specifications and standards—
 guide, 4885
 index, 6335
 supplements, 3409
 Federal standards, 1072, 2267-70, 4794-96, 6307-15, 8008, 9498, 11062-65, 16601-604, 17764
 Federal supply catalog, 2151, 3318-19, 3321, 7855-56
 Federal supply classification, directory and planning, schedules of class and area assignments, 16474
 Federal supply classification handbook—
 alphabetic index, supplements, 3323
 groups and classes, 975
 numeric index, 3322
 Federal supply code for manufacturers—
 excluding United States and Canada, 2145
 supplements, 3325
 United States and Canada—
 code to name, 2144, 16457
 supplements, 3326
 name to code, 976, 17688
 supplements, 3327
 Federal test method standards, 9499, 15252, 16605
 general stores stock catalog, hand tools, supplement, 4797
 GSA stock catalogs—
 general supplies, 3385, 16606
 hand tools, 6334
 supplements, 11067, 16608
 standard forms, 16607
 supplements, 8009, 11066
 International Development Agency, procurement regulations, 2994, 17855-856
 NASA procurement directive, 3591
 NASA procurement regulations, 3592
 supplement, 18058
 Navy procurement directives, 3615
 procurement—
 economic impact, report, 9044
 invitations, subcontracting leads, etc., Commerce business dally, 3107
 small business subcontracting and set-aside programs, report, 4510
see also Military supplies—Surplus property.
 Governors Commission on Status of Women, statewide meeting held at Des Moines, Iowa, 10143
 Gowans, K. D., soil survey report of Tehama County, Calif., 14658
 Gowen, Justin B.:
 mineral industry of—
 Austria, 8343
 Portugal, 11365
 Spain, 12807
 United Kingdom, 12808
 Gowen, Richard J., national workshop on bioengineering research and manpower, proceedings, 15703

GPO, *see* Government Printing Office.
 Grabill, L. R., sugar, starch, and carbohydrate, classification definitions, 18123
 Grace, Thomas M., boiler instabilities due to feed-system-subcooled region coupling, 9917
 Gracey, William:
 cross-pointer-type instrument display in landing with helicopter, 1488
 evaluation of moving-map instrument display in landing approaches with helicopter, 11531
 Graders:
 agricultural commodity (fruit, etc.), examination announcement, amdt., 202
 agricultural commodity grader, career, 9356
 agricultural commodity (grain), examination announcement, amdt., 8983
 agricultural commodity (meat), examination announcement, 16063
 Gradients (mathematics):
 magnetic fields, use to produce ionic concentration gradients, 9589
 Grading of commercial products, dairy plants surveyed and approved, USDA grading service, 6131, 13887
 see also names of products.
 Graduate students, *see* Students.
 Graduate work, *see* Colleges and universities.
 Graduates:
 college—
 civilian career opportunities with Army Dept., 8877
 women, 7 years after graduation, resurvey, 7235
 Job Corps, American business is hiring, 2162
 liberal arts, answer to what can I do in Peace Corps, 5374
 predominantly Negro colleges—
 class of 1964, special report, 14625
 directory, 2483
 training grants awarded by National Institute of Mental Health, 7066
 Grady, Noel, starting and managing small drycleaning business, 5497
 Graford formation, *see* Pennsylvanian period.
 Grafting (physiology):
 popular description of chromosome and animal transplant experiment, USSR study, 1307
 Graham, H. M., evaluating cotton gins for pink bollworm kill, 10147
 Graham, Robert W., convection, etc., in nucleate boiling, 9907
 Grain:
 bulk cargoes, rules and regulations, 4420
 Common Market statistics 1955-56 through 1965-66, compilation, 16642
 costs of storing on farm compared with rates paid for such storage, Commodity Credit Corporation, GAO report, 2342
 crop quality, 1966 carlots and trucklots receipts, 9352
 culture, etc., publications, price list, 5417
 feed grains—
 feed statistics, 17333
 growth in demand in EEC, projection to 1970 and 1975 in relation to consumption, 13949
 program 1966, statistical summary, 8818
 program, 1967, general information, 5673, 5675
 foreign agriculture circulars, 3345
 grain-livestock economy of European Economic Community, 1951-63, historical review, 2176
 market news—
 quarterly summary and statistics, 3383
 weekly, 3382

Grain—Continued
 standards act—
 amend hearings, 17584
 amended, and regulations thereunder, 12431
 standards, official, United States, revised page, 964
 stocks—
 farm and off-farm, by States, 1959-65, revised estimates, 7300
 in all positions, quarterly report, 3905
 in deliverable position at Chicago, weekly report, 3906
 storage facilities, sale, law, 12159
 storages, upright 2-fan crossflow ventilation system, 7248
 wheat and feed grain programs, etc. (address), 4090
 world production, consumption, and trade, prospects, 15209
 Grain elevators:
 cooperative, inventory control and valuation practices, 15235
 country, locating, designing, and building, 1683
 Grain size, grading of abrasive grain for grinding wheels, 11581
 Grain sorghum, *see* Sorghum.
 Gramineae, *see* Muhlenbergia.
 Grammar, *see* Names of foreign languages.
 Grammitis, genus in Ecuador, 17049
 Grand Calumet River, pollution of interstate waters, progress evaluation meeting, 14053
 Grand Canyon National Park, general information, 8556
 Grand fir, *see* Fir.
 Grand Junction, Colo., mechanical samplers in use, design and descriptions, 15963
 Grand Prairie region, Ark., artificial recharge of ground water (series), 1128
 Grand River and Valley:
 comprehensive water resources study of basin—
 economic base study, 1024
 information booklets, 7927-28
 Grande, E., refraction of sound by jet flow and jet temperature, 14389
 Granges, important role in fields of agriculture, law, etc. (address), 4091
 Granite City Defense Depot, employees relief, 779
 Grano, Charles X.:
 8-day volumetric pollen sampler, 2322
 growing loblolly and shortleaf pine in Midsouth, 8827
 Grant, Nicholas J., oxide dispersion strengthened alloys, 17951
 Grant, Roy L.:
 combination statistical design for sensitivity testing, 9754
 effect of weather on sound transmission from explosive shots, 9773
 new gap sensitivity methods for explosives, 9791
 Grant County, N. Mex.:
 Hurley west quadrangle, geology, 12601
 Santa Rita quadrangle, general geology, 14171
 Steeple Rock mining district, geology and ore deposits, 6390
 Grant County, Wis., geology, Potosi quadrangle, 6388
 Grants-in-aid:
 Aging Administration—
 research, demonstration, and development grants, 13192
 training grants, 13193
 air pollution control programs, law, 393
 airport projects involving donated land, Federal participation in cost, GAO review, 15300
 airports, Federal aviation regulations, 4759, 14009, 16557
 allied health professions personnel training act of 1966, law, 463

Grants-in-aid—Continued

anti-crime program, assistance to State and local governments, hearings, 12306
 Appalachian regional development, supplements—
 hearings, 13713
 law, 17548
 reports, 7788, 14957, 16265
 awarded by National Institute of Mental Health for graduate and undergraduate training, 7066
 bilingual education, hearings, 15170, 16321
 child food service program—
 amend act, hearings, 9139
 closing nutrition gap, 15871
 law, 373
 report, 663
 children in need, federally assisted program, Cleveland, etc., study, 4386
 civil rights compliance officer's manual, 1906
 clean water, Federal grants, 11069
 Commercial Fisheries Bureau graduate educational grants, 17774
 community action program—
 grantees, directories, 982, 7873, 10906
 management information reporting by community action agencies, 13939
 community development district act, rural America, reports, 622, 10748
 community facilities for mentally retarded, progress report, 14629
 congressional review, periodic, provide, etc., hearings, 735
 constitutionality under certain acts, judicial review, report, 10729
 cropland adjustment program, Greenspan way, general information, 5672
 demonstration cities and metropolitan development act of 1966—
 law, 465
 law, summary, section-by-section analysis, legislative history, and conference report, 725
 title 1, program guide, 4909
 dental public health, research, research training, fellowships, 8632
 disaster relief, status of funds, 7603
 District of Columbia participation in medical assistance program, report, 13645
 Economic Development Administration—
 grants and loans for public works & development facilities, 7869, 13935
 planning grants for economic development, 13932
 program for building communities with jobs, 13928
 economic development districts, 9380
 education—
 attracting and qualifying teachers—
 law, 12176
 reports, 12275, 13643, 13805
 construction of television and radio broadcasting facilities, etc.—
 hearings, 10824, 13710
 reports, 10756, 14980
 elementary and secondary—
 administration of programs, notes and working papers, 10865-867
 amendments of 1966, law, 462
 amendments of 1967, hearings, 7742, 9153, 12419, 17664
 amendments of 1967, reports, 9118, 10557
 PACE projects to advance creativity in education, supplementary centers and services, etc., 10940-941
 school year 1965-66, highlights, 15218
 ESEA, title 1, 1968 application forms, instructions, 16503
 ESEA, title 2, guidelines, 16513
 handicapped children—
 guidelines for State plan programs, 10933
 preparation of professional personnel, 7897

Grants-in-aid—Continued

education—continued
 handicapped, Education Office programs, 4716
 programs, who and where to apply, etc., 7907
 States report under elementary and secondary education act of 1965, 7890
 students in vocational, college, and graduate programs, 2177
 title 3 programs under NDEA, notes, etc., 17668
 Education Office financial assistance programs for State and local governments, etc., 2183
 educational and cultural exchange program, opportunities, 14678
 educational financial aids for dependents of Army personnel, 17383
 elementary and secondary education act—
 PACE, projects to advance creativity in education, supplementary centers and services, etc., 17723
 title 3, stepping up with PACE, 7915
 environmental engineering and food protection, research grants, 5463
 Farmers Home Administration, community centers, etc., hearings, 15145
 Federal assistance for educational planning, acquiring and developing sites and constructing facilities, guide, 10931
 Federal beautification and open-space land programs, questions and answers, 4902
 Federal financial assistance for projects in aging (series), 13192-194
 Federal funds for day care projects, 8792, 10140
 Federal incentive grants for municipal waste treatment, report, 8010
 Federal money for education, 1967 report, 7908
 Federal programs—
 aiding State education agencies, 13961
 withdrawal of cash from Treasury for advances, 7207
 Federal support for academic science and other educational activities in universities and colleges, 13011, 17057
 Federal system as seen by Federal aid officials, results of questionnaire, print additional copies, reports, 4597, 10585
 geographic distribution of Federal funds for research and development, 13012
 gold mining subsidies—
 hearings, 12302
 report, 16288
 graduate educational grants in aquatic science, 1967-68 academic year, 1077
 health, allied professions, educational improvements, 2807
 health planning and services—
 hearing, 12305, 17670
 law, 461
 reports, 16230, 16247
 health research facilities program, annual report, PHS, 524 12207
 health services, coordinated funding by HEW and OEO, 13938
 health services project grants manual, changes, 10052
 HEW research grants, establishing indirect cost rates—
 guide for educational institutions, \$189
 guide for hospitals, 12620
 higher education act of 1965—
 administration of programs, 1966, notes and working papers, 12422
 institutional assistance grant program, spring 1967, 16502
 title 3, strengthening developing institutions, 2185
 higher education amendments of 1966, law 464
 higher education amendments of 1967, hearings, 15026

Grants-in-aid—Continued

higher education, graduate academic facilities program, preparation and submission of proposals, manual, 17718
 highway beautification, 1968 authorizations—
 hearings, 15174
 reports, 15126, 16272
 highway construction act of 1966—
 hearings, errata, 4636
 report, 638
 highway program—
 Federal aid in construction of roads, laws, compilation, 1988
 research and development studies using Federal-aid funds, 2845
 toll facilities relationship—
 hearings print additional copies, report, 643
 report, 14989
 highway relocation assistance study, 16340
 highway safety report, 646
 highway statistics, 13101
 historic sites preservation—
 law, 384
 report, 673
 hospitals, etc., in D.C., project grants for construction and modernization, hearing, 16405
 housing, urban renewal project characteristics, 15726
 improvement of State and local personnel administration, etc., hearings, 12409
 information system to aid in participation in programs study, hearings, 4639
 intergovernmental cooperation in management of programs, improving, hearings, 4639, 13864
 international education law, 412
 juvenile delinquency prevention, etc.—
 hearings, 16324
 message from the President, 5999
 report, 16249
 law enforcement and criminal justice assistance act of 1967, reports, 13670, 13685
 law enforcement assistance act, report, 11292
 law enforcement, Federal assistance, amend act—
 law, 502
 reports 635, 929
 library services and construction act, extend and amend—
 law, general information, 1135
 report, 16298
 manpower research institutional program, progress report, 16795
 manpower research sponsored by Labor Dept., guidelines for grants, 6591
 medical assistance under title 19 of social security act, limitations, report, 697
 mental health amendments of 1967—
 hearings, 9163
 law, 12173
 reports, 9136, 10599, 12366
 mental health research grant awards, 1948-63, listing by State, etc., 13083
 mental health, support programs of NIMH, 18174
 mental health training grants program, 1965, statistical sourcebook, 7076
 mental retardation facilities, extend, etc., laws—
 hearings, 10659, 17666
 reports, 14971, 16246
 military assistance program addresses, MILSTRIP, 4679
 change, 6152
 supplement, 16472
 national defense student loans, college work-study program, and list of participating institutions, 1001
 National Heart Institute, congenital heart disease, research review, 15677

Grants-in-aid—Continued

National Institute of Child Health and Human Development, training support, 13194
 National Institute of Mental Health training grants for support of mental health personnel, current status, 2839
 National Institutes of Health, guide, 17143
 National Science Foundation, 8566
 neighborhood facilities grant program for enriching community life, 2380
 nurse training improvement, project grants, guidelines, 18164
 nursing homes, open every door, Nation's goal for compliance with title 6 of 1964 civil rights act, 13183
 outdoor recreation, manual, 3665, 7026-28, 13037-40
 overseas projects in education, research or study, 1014
 partnership for health, information and policies on grants—
 for comprehensive areawide health planning, 17156
 to States for comprehensive health planning, 15702
 to States for public health services, 13086
 periodic congressional reassessment of Federal grants to State and local governments, 16414
 population conference, hearings, 956, 2121, 4642, 6112
 index, 16416
 Public Health Service—
 construction grant programs, labor standards provisions, 8637
 funds, 1966—
 construction of facilities, 1755
 health services, formula, project, regional medical planning grants, etc., 8644
 research funds, 7085
 summary tables and graphic highlights, 15706
 grants to Washington State, GAO review, 14160
 mental health research, 14630
 mental health training, 14631
 research grants, awarded, 1966, index, 8647
 research projects in accident prevention, references to publications, 8645
 research projects, policy statement, 11756
 training grants, traineeships, fellowships, etc., 7086
 training projects, policy statement, 13091
 public works grant rates in qualified areas under Public works and economic development act, 4685, 15202
 radiation workers, recordkeeping, hearings, 1974
 rat control and extermination, hearings, 10641
 rat extermination act of 1967, reports, 12284, 13676
 regional medical programs in heart disease, cancer, stroke, guidelines, 13076
 research grant program in NIH, administration, report, 17575
 research grant program of NIMH, 1965, descriptive data sourcebook, 15707
 research method for scientific information retrieval system, 7064
 resource and conservation development projects, cost sharing, report, 16368
 revenue sharing and its alternatives, what future for fiscal federalism?—
 committee print, 13546
 hearings, 16149
 science and technology, degree profile and Federal contributions to universities, etc., 14560

INDEX 1967

Grants-in-aid—Continued

- science, mathematics, and foreign language instruction in public schools, etc., guidelines, 13956
- scientific manpower, utilization, hearings, 4652, 10869
- sea grant colleges—
 - law, 402
 - reports, 632, 679
- solid waste disposal, summaries of research and training grants, 10063
- State technical services program, amend act to include Guam—
 - law, 475
 - report, 891
- State vocational rehabilitation services—
 - hearings, 15172, 17600
 - law, 16144
 - reports, 14972, 16366
 - 6 steps forward, 17186
- urban mass transportation, increase, reports, 620, 628
- urban mass transportation program, emergency provisions, temporary extension—
 - law, 13522
 - reports, 12388, 13634
- urban planning assistance, Federal grants available, summary, 2381
- veterans' medical care and treatment, etc., agreement with Philippines, 14685
- veterinary medical education facilities construction and student loan program, 423
- vocational education amendments, hearings, 4532
- vocational rehabilitation, new programs, progress, report, 5589
- water and sewer facilities grant program, HUD consumer bulletin, 17838
- water pollution control—
 - law, 12156
 - text, 6340
- water pollution control research and training grants—
 - awards, 1966 list, 2274
 - publications and reports, 1965 index, 11071
- water systems, waste disposal systems, financial assistance to small towns and rural groups in Oklahoma, questions and answers, 7945
- welfare funds to Alabama, cutoff, hearings, 6096
- Grapes, production, use, value, 1965-66, by States, 14695
- Graphic methods, agricultural economics, graphic analysis, applications, 4099
- Graphic presentation, 17691
- Graphite:
 - absorption of carbon dioxide at 0° C, 5351
 - artificial, chemical impurity data, 18040
 - optical properties, 16849
 - oxidation of JT graphite composites, static, subsonic, and supersonic test, 18053
 - surface in high-temperature airflow, effects of nitrogen injection into boundary layer, 12964
 - welding graphite materials, USSR study, 15395
- Graphitic oxides, reverse osmosis membranes containing, 6444
- Graphs, *see* Charts.
- Grapple, self-actuating, automatically engages and releases loads from overhead cranes, 5150
- Grapsas, Athanasia, *see* Argere, Athanasia.
- Grass fires, *see* Forest fires.
- Grasses:
 - culture, etc., publications, price list, 5417
 - grass, rancher's crop, 5636
 - grass range, establishing in southwest Missouri Ozarks, 14092

Grasses—Continued

- grass seed production and harvest in Great Plains, 7271
- native sandhills, Valentine National Wildlife Refuge, Nebraska, descriptions, etc., 16621
- range, Arizona, vegetative key, 11141
- see also* Bluestem—Bunchgrass—Muhlenbergia.
- Grasshoppers, control, 15848
- Grasslands, research, statistical methods, abstract bibliography, 10185
- Gratings and networks of ribbons as radio reflectors, 16902
- Gratuities:
 - reporting your tips for tax purposes, 2408
 - special information about social security for people who receive cash tips, 17204
- Gravel:
 - grit, test of types in alleviating lead poisoning in mallards, 17786
 - minerals yearbook chapter, 5133
- Graveson, Robert T., point source detection by scintillation survey meter, 1787
- Gravimeters, results of USSR investigation on board ship, 8274
- Gravimetry:
 - effects of petroleum and natural-gas reservoirs on mass properties of sedimentary rocks, 12608
 - report, 14518
 - see also* Thermogravimetry.
- Gravity:
 - effects on mercury droplet behavior, photographic study, 1509
 - evaluation of semi-active gradient system—
 - appendices, 2598
 - technical summary, 2597
 - fluid boiling in discrete bubble region, effects of gravity level, 15562
 - geologic interpretation of gravity and aeromagnetic maps of Tintic Valley area, 8164
 - GEOS—A gravity gradient satellite (Explorer XXIX), stabilization system analysis and performance, 17940
 - liquid hydrogen in spherical tankage, normal gravity self pressurization, 18019
 - loaded rock, stresses and displacements surrounding open pit, 14356
 - reduced fields, experiments to investigate particulate materials, 18000
 - resonant librating orbits, use in studying earth's gravity, 14476
 - self-locomotive performance of lunar explorers based on experimental reduced-gravity studies, 11501
 - surveys of parts of Canyonlands National Park, 2368
- Gray, Brian E., direction, for commanders and public information officers, 3209
- Gray, James L., soil survey of St. Francis County, Ark., 2875
- Gray County, Tex., soil survey report, 8697
- Gray Line Sightseeing Tours, Inc., motor carrier accident, 17917
- Grays Harbor, basin, Lincoln Creek formation, 12603
- Grazing:
 - associations, increasing farm and ranch income through membership, 1717
 - cattle grazing on ponderosa pine-bunchgrass range in Colorado, effects, 14764
 - commandra, grazing, and commandra blister rust, 14127
 - permits, cancellation, fix compensation, 4576
 - range and related grazing lands, national handbook, 15745
 - Taylor grazing act as amended and supplemented, 15457
 - see also* Pasture lands—Public lands.
- Grass, world production and trade, 4817
- see also* lubricants.

Great Bahama Bank, myodocopid ostracod
Euphilomedes multichelata, 8543

Great Britain:
air transport services, agreement, 7152
availability of certain Indian Ocean
islands for defense purposes, agreement,
11846
background notes, 1622
Bahamas long range proving ground,
agreement, 17241
colored minorities and present policies,
9747
double taxation, convention, agreement,
2921
east coast of England, sailing directions,
change, 11094
educational commission and financing of
exchange programs agreement, 13149
establishing business in United Kingdom,
17476
European and British Commonwealth se-
ries, 1626, 10099
hops industry, 8047
indemnification for losses arising from
ammunition shipments, agreement, 7184
lights and fog signals, list, 5334, 11644
maritime matters, visit by N.S. Savannah
to Hong Kong, agreement, 15795
mineral industry, minerals yearbook chap-
ter, 12808
monopolies exploit Persian Gulf, 1188
tariff concessions, staging, amending agree-
ment, 15803
tracking station on Antigua, agreement,
8749
tracking station on Mahé Island, Seychel-
les, agreement, 11847
tracking stations, agreements, 2911, 5536,
8750
travel to United States, market survey,
5582
treaties concluded with United States,
continued application to—
Botswana, agreement, 11839
Lesotho, agreement, 8742
weather stations, cooperative meteorologi-
cal program in Cayman Islands, agree-
ment, 7192
west coasts of England and Wales, sail-
ing directions, change, 8570

Great days ahead (remarks), 1696

Great Lakes:
aquatic sciences in area, 2241
atmospheric water vapor aloft over basin,
total distribution, 16833
basin, consent to compact, hearings, 731
fisheries—
annual summary, 9502
convention with Canada, amending, re-
port, 6064
Indians of area, general information, 2390
light list and other marine aids, 9003
modification of nearshore currents by
coastal structures, 8326
navigation, rules of road, 221
notice to mariners, 3642, 9006
pilot, survey, 8325
supplements, 11335, 12777, 14309,
16834-836
pilotage, 1966, statistical report, 12139
pilotage services, agreement with Canada,
14689
rules concerning sailing vessels, etc., law,
468
small craft, gale and whole gale warning
facilities charts, 14723-724
snow depth probability charts and tables,
12776
water pollution, control, etc., in region,
hearing, 738
water pollution control project, Lake On-
tario program, 9501

Great Lakes Pilotage Administration, sta-
tistical report, 12139

Great Lakes Regional Commission, see Up-
per Great Lakes Regional Commission.

Great Lakes States:
balsam fir, botanical and commercial
range, 8069
northern region, economic survey, 7680
pulpwood, rising prices stimulate largest
Lake States harvest, 14101
tamarack, botanical and commercial range,
8070
veneer log production shows increase,
14096
veneer yields from Lake States, quaking
aspen, 1095

Great leap backward, Soviet view of China's
economic problems, 16780

Great Meadows National Wildlife Refuge,
general information, 17775

Great Plains:
dryland farms, organizing and operating,
regional research project GP-2, sum-
mary, 7883
grass seed production and harvest, 7271
northern—
growing fruit for home use, 7272
shelterbelts, 1689
northwestern Plains States, iron and steel
scrap, processing and marketing, 16855
southern, woody vines, selecting, planting,
etc., 1688

Great Salt Lake:
brines, desulfation processing, preliminary
studies, 6688
relicted lands, convey lands lying below
meander line in Utah, hearing, 4643

Great Salt Lake National Monument:
establishment—
hearings, 2123, 7815, 12412
report, 9273

Great Sand Dunes National Monument, gen-
eral information, 9959

Great Smoky Mountains National Park:
brook trout, technical paper, 17787
general information, 9960

Great Society:
Americans can aspire to Great Society here
and abroad (address), 26
creative federalism, concept (address), 25

Great South Bay, eastern section, pollution
of navigable waters, conference proceed-
ings, 6339

Great White Heron National Wildlife Refuge,
birds of Florida Keys national wildlife
refuges, list, 17780

Greatest storm on earth, hurricane, 17738

Greece:
background notes, 10091
canned delcious fruit industry, 17792
Educational Foundation and financing of
exchange programs, agreement, law, 470
establishing business in, 9018
loan of 1929, settlement acceptance, law,
470
maritime matters, liability during private
operation of N.S. Savannah, agreement,
11856
mineral industry, minerals yearbook chap-
ter, 15468
refunding of indebtedness due, agreement,
8735
selling in Greece, 4440
war or peace in Middle East, study mission
report, 10837

Greece, N.Y., population, special census of
town, 16020

Greek language, basic course, 14677

Green, Barbara, basic data on economic of
Jamaica, 13461

Green, L., use of thin-layer chromatography
(TLC) for identification of aircraft engine
oil components, 11674

Green, Lisle R., picloram herbicide for kill-
ing chaparral species, preliminary rating,
8085

Green, M. S., critical phenomena, 1521

Green Bay, Wis.: area wage survey, 5061
water pollution control, comprehensive
plan for area, 14050

INDEX 1967

- Green coffee inventories, imports, and roastings, 3384
- Green River formation:
 - Colorado, shale oil specific gravity, stratigraphic and geographic variation, 2587
 - Utah and Colorado, geology and fuel resources, 12610
- Green River, Howard Hanson Dam, outlet works and stilling basin, hydraulic model investigation, 2201
- Greenbaum, Leon J., Jr., compressed air, diving and submarine medicine, 14314
- Greenbrier County, W. Va., coal, carbonizing properties, 2576
- Greene, Frank M., new near-zone electric field-strength meter, 5291
- Greene, John M., variational principle for stationary magnethydrodynamic equilibria, 12008
- Greene, Wallace M., testimony, hearings, 16394
- Greenland:
 - approach roads, 15932
 - cores, particulate content, 17374
 - east, sailing directions, change, 14571
 - firm, artificial radioactivity reference horizons, 4197
 - ice core from, stratigraphic analysis, 13290
 - lights and fog signals, list, 5331, 9972, 14578
 - mineral industry, minerals yearbook chapter, 8350
 - north, Tuto ramp, ice surface movement, 11983
 - tide tables, 12119
- Greensite, Arthur L., analysis and design of space vehicle flight control systems, 12871-873, 14383-384, 15497-501, 15503
- Greenspan, Martin, engineering and instrumentation, Journal of research, 3460
- Greenspan, questions and answers, 11926
- Greenspan way to more space for parks, recreation, wildlife, 5672
- Greenville, S.C., area wage survey, 14288
- Greenville quadrangle, Maine, geology and petrology, 16684
- Greenwood, J. E. G. W., geology of Arabian Peninsula, 8173
- Greenwood, Lawrence R., outgassing rates of solid rocket fuels in vacuum, 5262
- Greenwood, R. C.:
 - evaluation of thermal neutron capture gamma ray techniques for nondestructive analysis of reactor burnable poisons, 1790
 - prompt gamma rays from radiative capture of thermal neutrons, 5776
- Greer County, Okla., soil survey report, 10088
- Grelen, Harold E., common plants of longleaf pine bluestem range, 2334
- GREMEX, new management training concept, 9852
- Grenada County, Miss., soil survey report, 11805
- Grice, George D., bathypelagic calanoid copepods of western Indian Ocean, 8548
- Grid systems, see Maps and charts.
- Griffin, Russell E., dielectric constants and dissipation factors for 6 rock types between 20 and 100 megahertz, 9765
- Griffith, J. R., filament-winding plastics, syntheses, properties, and uses of m-amino-benzyl amine (MABA), 9989
- Griggs, Roy L., geology and ore deposits of Steeple Rock mining district, Grant County, N. Mex., 6390
- Grimes, Annie K., annotated bibliography on climate of Republic of Vietnam, 16539
- Grinders, bench and floor stand grinder, how to inspect chart, 9686
- Grinding machines, see Grinders.
- Grinding wheels, see Abrasives.
- Grisez, T. J., pruning open-grown black cherry, 17803
- Grit, see Gravel.
- Grit blasting nozzle fabricated from mild tool steel, etc., 6762
- Grits, corn, good choice for thrifty family, food value, use, recipes, 9340
- Groceries:
 - price-marking in warehouses, use of adhesive labels, 10155
 - wholesale business, fair labor standards act, application, 11896
 - wholesale institutional orders, determining costs of servicing, 4120
- Grocery stores, see Stores.
- Grocery trade, see Stores.
- Groins (hydraulic engineering), see Jetties.
- Groom, Phyllis, prices in poor neighborhoods, 14305
- Groom mining district, Nev., Cambrian and Precambrian rocks, 14169
- Groppu, Mrs. Matteo, relief, 10532, 13517
- Grose, L. T., coal resources of southwestern Utah, 8341
- Gross, Arthur L., calcium, phosphorus, and nitrogen mobilization resulting from conditions of inactivity in *Macaca lrus* monkeys, 5707
- Gross, D., field burnout tests of apartment dwelling units, 18075
- Gross, Ronald, United States and UNESCO, challenges for the future, 10105
- Gross national product:
 - calendar year 1965, current market prices, 6469
 - growth rates and trend data by region and country, 8228
 - statistical tables, 1829
- Grosser, Bernard I., geographic and astro-nomic distance responses by rated officers, 4174
- Grossling, Bernardo F., internal magnetization of seamounts and its computer calculation, 12612
- Ground, see Land.
- Ground effect, 4-propeller tilt-wing configuration over fixed and moving ground plane, 11504
- Ground effect machines, free-flight characteristics and handling qualities of GEN III, 9880
- Ground instructors:
 - examination guide, basic-advanced, 4813, 17789
 - Federal aviation regulations, 11001
- Ground rods, rod and rod section, Federal item identification guide, 10895
- Ground water, see Water.
- Grounds, see Public property.
- Group behavior, groups in disaster (paper), 10049
- Group insurance, see Life Insurance.
- Group practice facilities program, information guide and instruction handbook, 14024
- Grouping by ability, see Ability grouping in education.
- Grouse, damage on true firs, 1090
- Grouting, foundation, field technique and inspection, engineering and design manual, 2211
- Grove, Richard, museums come alive, 9402
- Grover, Horace J., fatigue of aircraft structures, 17062
- Growing boxwoods, 5632
- Growing dates in United States, 29
- Growing ginseng, 14742
- Growing grain sorghum, 4117
- Growing raspberries, 4105
- Growing table beets, 4113
- Growth:
 - children, research programs, studies in progress, 8967
 - gibberellin-induced, a dormant sweetgum, 8093
 - growth retardation under 3 species of oaks, observations, 11130
 - height, mahogany seedlings, St. Croix, V.I., 12575

Growth—Continued

- loblolly pine's diameter growth and foliar nitrogen in fertilized soil, 8094
- lodgepole pine, low stand density speeds tree growth, 11117
- paper and yellow birch in simulated strip cuttings, 4849
- periodic cubic growth in natural loblolly stands near Crossett, Ark., 2324
- pinus in Hawaii, 4854
- queenland maple seedlings in Hawaii, growth accelerated after first year, 8090
- thinning and fertilizing increase growth in western white pine, 6367
- trees, accuracy of mean-growth estimates made with dial gage dendrometers, 8079
- Groza, G., artificial radioactivity reference horizons in Greenland firn, 4197
- Grubb, Lynn S., interfacial behavior following termination of outflow in weightlessness, 8501
- Gruening, Ernest:
 - disposal of United States military installations and supplies in France, 6109
 - United States foreign aid in action, 2122
- Gryzinski, Michal, theory, cross section for metastable state of atomic hydrogen, 9874
- GSA, see General Services Administration.
- Guadalupe Mountains National Park, establish, law, 386
- Guam:
 - census of agriculture, 1964, State and county statistics, 19398
 - county business patterns, 13385
 - economic development, promote, report, 15134
 - Foraminifera, smaller, 1119
 - general information, 9584
 - geology and hydrology of Guam, Mariana Islands (series), 1119
 - Governor, annual report, 9585
 - Governor, etc., popular election, provide, amend organic act—
 - hearings, 10852
 - report, 10750
 - include in State technical services act of 1965—
 - law, 475
 - report, 691
 - nautical chart catalog, 7558
 - nurses in public health, number, educational preparation, etc., 17155
 - plant regulatory officials, 5618
 - social security tax guide for employers, 2402
- Guaranties and sureties:
 - companies acceptable as sureties on Federal bonds, list, 15811
 - informational media guaranty program, financing—
 - hearing, 10834
 - report, 10767
 - investments, agreement with—
 - British Guiana, 2887
 - Cameroon, 11868
 - Ghana, 10104
 - India, 2909
 - Lesotho, 11865
 - Malta, 8748
 - Paraguay, 7187
 - Philippines, 5544
 - Zambia, 2933
 - loan guaranties, payment by ICC, appropriation, 10699
 - specific risk investment guaranty handbook, 4925
- Guard duty, Army field manual, 10262
- Guard rails, see Roads and highways.
- Guardrails (road), see Roads and highways.
- Guards (persons):
 - examination announcement, 4401
- Guarino, Joseph L., magpie reduction in an urban roost, 16635

Guatemala:

- background notes, 5521
- mineral industry, minerals yearbook chapter, 14331
- south coastal, early cultures and human ecology, 9954
- Guereca, Ross A.:
 - concerning physical parameters for use in absolute gas viscosimeter, 11378
 - steady-state laminar flow boundary conditions for stainless steel coiled-capillary viscosimeter, 14350
 - thermophysical properties of selected gases below 300° K, 6635
- Guernsey, John, teens sound off, 17726
- Guernsey cattle, see Cattle.
- Guerrilla warfare, counter guerrilla operations, Army field manual, 8881
- Guest, Stanley, far-field acoustic environmental predictions for launch of Saturn V, etc., 16981
- Guidance:
 - bibliography, Air Force Academy Library, 5689
 - career guidance, report of Subcommittee on Career guidance of Committee on Specialized Personnel, Labor Dept., 11293
 - national defense education act of 1958, institutes, program, 6189
 - publications of State Departments of Education, guide, 6185
 - report of President's Commission on Status of Women and report of Committee on Education, excerpts, 7236
 - State Dept. of Education personnel directory, 6178
 - theory, papers, compilation, 12881
 - see also Counselors—Vocational guidance.
- Guidance systems:
 - automatic guidance of automobiles, prospects, USSR study, 16762
 - electromagnetic study, 16896
 - guidance computer memories, present and future state of the art, 18049
 - helicopters flying over mountains at night, tests, 8089
 - space, test with star/horizon simulator, 11447
 - spacecraft, 6730
- Guide books, Commerce Department, agency of business, promotes economic growth, 5963
- Guide for educational institutions, establishing indirect cost rates for HEW research contracts, etc., 8189
- Guide for hospitals, establishing indirect cost rates, for HEW research contracts, etc., 12620
- Guide specification for 1000-gallon aircraft fire and rescue truck, 10246
- Guide to Federal consumer services, 13064
- Guide to natural beauty, 11936
- Guide to record retention requirements, 7990
- Guide to specifications and standards of Federal Government, 4885
- Guided missiles, see Missiles.
- Guidelines—
 - Business Opportunity-Federal Procurement Conference program, 8923
 - evaluation of contractor accounting systems, 6705
 - employment testing procedures, 2227
- Guido, Pedro L. relief, 9079
- Gullbert, Edward A.:
 - remarks—
 - Nov. 1, 1966, 236
 - Nov. 18, 1966, 1951
- Gulford County, N.C., population, special census, 10370
- Gullon, R. B.:
 - aerial radiometric survey, 7426
 - Orlando area, ARMS 2, 1780
 - Parr area, ARMS-2, 1781
- Guinand, Jerome B., oil and gas lease, reinstate, report, 10740

INDEX 1967

- Guinard, Norman W., NRL terrain clutter study phase 1, 14591
- Guinea:
- labor conditions, 5075
 - mineral industry, minerals yearbook chapter, 8351
 - U.S. travelers, you can assist U.S. balance of payments, 11887
- Gulf, see name of gulf, or place where located.
- Gulf Coast:
- floods, eastern basin, Ogeechee River to Pearl River, 2374
 - frequency distribution of rainfall in tropical storms (paper), 5593
 - light list, Little River, S.C., to Rio Grande, Tex., and Antilles, 12123
 - nautical chart catalog, 4415
 - shrimp data, 3386
 - transportation lines, 13984
 - see also Gulf States.
- Gulf County Canal:
- modification, engineer report—departmental edition, 2209
 - document edition, 1998
- Gulf Intracoastal Waterway, see Intra-coastal Waterway.
- Gulf of Aden, see Aden, Gulf of.
- Gulf of Mexico, see Mexico, Gulf of.
- Gulf of Suez, see Suez, Gulf of.
- Gulf Series in subsurface of northern Florida and southern Georgia, 16692
- Gulf States:
- fisheries, annual summary, 8018
 - strawberry culture, 1685
- Gulf Stream, photogrammetric research work, 5941
- Gulick, J. W.:
- remarks—
 - Feb. 10, 1967, 6626
 - Feb. 23, 1967, 6627
 - May 5, 1967, 9751
 - July 17, 1967, 12787
 - Oct. 12, 1967, 17907
 - Oct. 25, 1967, 17908
- Gullander, W. P., address, Nov. 1, 1966, 8616A
- Gulles, Harrison County, Iowa, 1722
- Gum naval stores, see Naval stores.
- Gunderson, Robert W., transformation to phase-variable canonical form, 12923
- Gunner's mates, G 1 & C, Navy training course, 8577
- Guns, see Explosive guns—Firearms.
- Gunter, Edgar J., Jr., dynamic stability of rotor-bearing systems, 1439
- Guralnick, Lillian, selected family characteristics and health measures reported in health interview survey, 7097
- Gursky, H., celestial X-ray sources, 8428
- Gust loads, see Load (mechanics).
- Gustafson, Paul R., 1,4 cyclohexanebis (methylamine), regenerative carbon dioxide absorbent, 8589
- Gut Dam, claims, agreement with Canada, 8725
- Gutierrez, Orlando A., steady-state performance of multitude, centrally finned, potassium condensing radiator, 18052
- Guy, R. W., effect of orifice size and heat-transfer rate on measured static pressures in low-density arc-heated wind tunnel, 6876
- Guyana:
- agricultural production, indices, 4700
 - background notes, 1615
 - British Guiana, investment guarantees, agreement, 2887
 - foreign trade regulations, 230
 - mineral industry, minerals yearbook chapter, 14330
 - Peace Corps volunteers, agreement, 15787
 - special study mission, report, 10568
- Gwinnett County, Ga., soil survey report, 15748
- Gylden method, see Mathematics.
- Gymnastics, see Exercise.
- Gymnodinium breve, west coast of Florida, 1964-65, distribution and occurrence, 8039
- Gymnosporangium clavariiforme in witches'-brooms of Juniperus communis, 8809
- Gypsum, mineral industry survey, quarterly, 3387
- Gypsy moths, bacteria of living and dead larvae of *Porthetria dispar*, 8075
- ## H
- H.E.W., see Health, Education and Welfare Department.
- Haar, Charles M., remarks, Sept. 21, 1967, 16714
- Habeas corpus:
- District of Columbia jail inmates, authorize transfer to other institutions notwithstanding pendency of petition, reports, 878, 12393
 - State custody, revise procedures, law, 425
- Hackett, Gerald A., executive calendar, Senate, 3503
- Haddon, William, Jr.:
- addresses, etc.—
 - Nov. 16, 1966, 1940
 - Nov. 29, 1966, 1964
 - Dec. 1, 1966, 1963
 - Dec. 11, 1966, 4423
 - Feb. 16, 1967, 5959
 - nomination, hearings, 6095, 15153
- Hadley, H. H., herbicides for forest plantations, 12571
- Hadrons, production reactions, consequences of unitary symmetry, tests, 5759
- Hady, Thomas F., taxation of farmland on rural-urban fringe, 16486
- Haematocytion, see Beetles.
- Hafnium:
- carbon phase diagram, investigation, 14340
 - determination of zirconium in, 9985
- Hagan, Robert L., paper, Aug. 14-15, 1966, 4304
- Hagen, Hermann, caddis flies, types of species described, 14542
- Hagermann, Madeline G., education directory, 1966-67, pt. 1, State governments, 15211
- Hague Conference on Private International Law:
- convention on service abroad of judicial and extrajudicial documents in civil or commercial matters—
 - message from the President, 6060
 - report, 7774
- Hahn, G. T., plastic constraint ahead of sharp crack under plane-strain conditions, 7108
- Haidar, Walter:
- foreign trade regulations of—
 - Dominican Republic, 4442
 - Haiti, 13457
- Haight, Gardiner M., JAG journal, 3452
- Hall, processes, work of Caucasus anti-ball expedition, 1965, results, USSR study, 12681
- Hail insurance, crop-bail insurance 1965, volume, cost, indemnities, 9392
- Hahn, G., auto-diagrammer, 2682
- Haines Road, winter maintenance, agreement with Canada, 8728, 17230
- Hair, Dwight, demand and price situation for forest products, 5660
- Haiti, foreign trade regulations, 13457
- Haji-Morad, Ali, see Morad, Ali Haji.
- Hale, Elwyn C., oil lease, reinstate, 10704
- Hale, Henry B., seasonal changes among endocrine-metabolic indices of men residing in subtropical climate, 7358
- Hale, Peter B., basic data on economy of Turkey, 5952
- Hale, William N., water requirements and uses in Montana mineral industries, 2539
- Haleakala National Park, general information, 8557

Haliotidae, *see* Gastropods.
 Hall, Dale O., broadcast seeding ponderosa pine on Challenge Experimental Forest, progress report, 16660
 Hall, Delight, catalogue of Alice Pike Barney memorial collection, 2747
 Hall, Edward T., manpower potential in our ethnic groups, 17885
 Hall, Jay V., jr., wave tests of revetment using machine-produced interlocking blocks, 16519
 Hall, Leo P., aerodynamic characteristics of V/STOL model with lift and lift-cruise fans, 14484
 Hall coefficient of tantalum carbide as function of carbon content, etc., 18018
 Hall County, Tex., soil survey report, 14655
 Hall of medicine, 2153
 Hallucinogen:
 bibliography—
 hallucinogenic drugs, 14072
 hallucinogens, 12560
 fact sheet, 12557
 Halogens:
 primary cells utilize halogen-organic charge transfer complex, 6837
 synthesis of highly halogenated monomers and polymers, 9855
 Halver, John E., trout hepatoma research conference papers, 11090
 Hamburger, Richard, remarks, Nov. 10, 1966, 1819
 Hamill, Bruce, lighting for outdoor recreation, 10331
 Hamill, Thomas D., effect of subcooling and radiation on film-boiling heat transfer from flat plate, 14453
 Hamilton, Alexander, Freedoms Foundation's new building dedicated in his name (remarks), 2954
 Hamilton, James E., F-4C flight simulator dashblindness experiment, 1738
 Hamilton, Thomas E., production, prices, employment, and trade in Pacific Northwest forest industries, 3774
 Hamilton, Warren, nature of batholiths, 6403
 Hamilton, Wayne L., measurement of natural particulate fallout onto high polar ice sheets, 17374
 Hammershead sharks, *see* Sharks.
 Hammond, George R., study of left moving thunderstorm of Apr. 23, 1964, 10965
 Hampshire, Gifford D., FDA papers, 4814
 Hampton, Robert E., nomination, reappointment, hearing, 7824
 Hampton, Va., area wage survey, 16816
 Hampton National Historic Site, general information, 13007
 Hancock County, Miss., Mississippi Test Facility, ground-water supplies, development, 8183
 Hand, Cadet, new species of burrowing aconiate anemone, 6952
 Hand cleaners, *see* Soap.
 Hand tools:
 Defense Dept., stocks, transfer to GSA, GAO review, 9546
 Federal item identification guides for supply cataloging, supplements, 3286
 GSA stock catalog, 6334
 supplements, 4797, 11067, 16608
 Hand trucks, safe practices, 9721
 Handbooks, *see* names of departments, etc., issuing handbooks—*also* subjects.
 Handcar Project, *see* Project Handcar (plow-share program).
 Handicraft, *see* Handicraft.
 Handicapped:
 children—
 education—
 preparation of professional personnel—
 grant program, 7897
 manual, 16508
 State plan programs, guidelines, 10933

Handicapped—Continued
 children—continued
 feeding the child with a handicap, 13416
 military medical benefits act of 1966—
 law, 365
 report, 664
 economics of handicapped (address), 6179
 education—
 architectural and attitudinal barriers (remarks), 13068
 improve programs—
 hearings, 7742, 9153, 12419, 17664
 reports, 9118, 10557
 education and training adequacy, hearings, 2046, 7741
 Education Office programs, 4716
 employment—
 assistance, Federal and State programs, directory, 15664
 barriers, challenge to handicapped, 1968
 report theme contest, 11th and 12th grade students, announcement, 15667
 role of public relations (remarks), 11702
 unparalleled opportunity (address), 8616A
 housing, minimum property standards, 9582
 multiple handicapped, available Federal services (remarks), 18142
 outdoor recreation planning for the handicapped, 17102
 performance, story of the handicapped, 3680
 physically, accessibility of public buildings, insure—
 hearing, 15173
 report, 15124
 physically impaired workers, work performance, 14612
 placement—
 inspection findings, summary, 10432
 review, coordinator's scoreboard, 8990
 President's Committee on Employment of the Handicapped—
 action, program guide, 17121
 awards and recognition program, 1355
 general information, 18147
 programs, Federal role, hearings, 6110
 programs for the handicapped (periodical), 15316
 severely disabled, rehabilitation problems (remarks), 11700
 sheltered workshop clients, fair labor standards act, technical report, 18252
 spouses and children, of active members of Armed Forces, use of private facilities, report, 14941
 Handicraft, encouraging American handicrafts, what role in economic development? 2160
 Handling equipment:
 carriage system remotely moves drawer over extended distance, 6703
 Federal item identification guides for supply cataloging, supplements, 3285, 3293
 fluid handling, classification definitions, 18126
 hydrostatic force used to handle outsized, heavy objects, 12897
 petroleum, Army technical manual, 5746
 Hangover effect of secobarbital on simulated pilotage performance, 7364
 Hanish, S., tables of spheroidal wave functions, etc., 10002, 10010, 17087
 Hanley, H. J. M., viscosity and thermal conductivity coefficients of dilute neon, krypton, and xenon, 11589
 Hanna, Paul R., phoneme-grapheme correspondences as cues to spelling improvement, 1010
 Hansen, Henry A., waterfowl status report, 6357
 Hansen, Wallace R., Alaska earthquake, Mar. 27, 1964, field investigations and reconstruction effort, 8169

INDEX 1967

- Hanson, Mary F., trends in income of families and persons in United States, 16035
- Harbor workers, *see* Longshoremen.
- Harbors:
- facilities, Navy design manual, changes, 2765
 - flood control and multi-purpose projects, public works authorizations—
 - law, 493
 - report, 698
 - flood control, improvements, compilation—
 - departmental edition, 1025
 - document edition, 516
 - flood control, omnibus bill, 1966, hearings, 751
 - see also* names of harbors, or places where located.
- Hard, J. S., identification of destructive Alaska forest insects, 14085
- Hard-of-hearing, *see* Deaf.
- Hard woods, *see* Hardwoods.
- Hardboard, *see* Pulpboard.
- Hardeeville, S.C., motor carrier accident, 16874
- Hardin, Charles H., food and fiber in Nation's politics, 17123
- Hardin, Dale W., nomination, hearing, 15153
- Harding, Katherine, basic properties of matrix algebra, 15464
- Harding, Paul L., evaluating quality of United States-grown citrus fruits in European markets, 5616
- Harding, Richard S., biochemical procedures, 7414
- Harding, Samuel T., Parkfield, Calif., earthquake of June 27, 1966, preliminary seismological report, 1934
- Hardinger, Christine C., basic data on economy of Republic of South Africa, 1944
- Hardness:
- Knoop anisotropy, stereographic representation, 18051
 - pendulum sclerometer for surface studies, 11381
- Hardware:
- aircraft, Army aviation maintenance engineering manual, 8892
 - builders', Army technical manual, changes, 107, 10271
 - data retrieval system provides unlimited design information, 11484
 - Federal Item Identification guides for supply cataloging, supplements, 3291
 - retailing, bibliography, 7113
 - space, microbiological examination, NASA standard procedures, 15521
- Hardware stores, *see* Stores.
- Hardwoods:
- Appalachian—
 - pleomorphic branching on 8 species, 8075
 - lumber production, Kentucky and Ohio, costs & returns, 4850
 - use for pallets, laboratory evaluation, 16661
 - controlling off-site hardwoods with 2,4 D amine concentrate, 12583
 - Hawaii, multivariate equations developed for volume prediction, 8084
 - northern—
 - deer browsing after clearcutting, effect on height, etc., 8109
 - designing efficient logging systems using equipment production capabilities and costs, 2330
 - impact of insects, 2304
 - stump sprouting, 8111
 - plywood, current industrial reports, 5862, 15997
 - sawmills, chip manufacture, cost analysis, 14139
- Hardy, Edward P., jr., Health and Safety Laboratory fallout program, quarterly summary reports, 1785-86, 5774, 10299, 13324
- Hargreaves, John J., man in oxygen-hellum atmosphere, 91
- Harkin, John M., Hg₂ production and detection in wood, 8060
- Harlan, James H., exploration of space, supplement, 10227
- Harley, John H., Health and Safety Laboratory, manual of standard procedures, 13336
- Harlee, John:
- addresses, etc.—
 - Dec. 12, 1966, 2246
 - Apr. 18, 1967, 7971
 - Apr. 19, 1967, 7972
 - May 2, 1967, 9456
 - Sept. 19, 1967, 16577
 - Sept. 22, 1967, 16578
- Harmonic functions, Vinti's accurate reference satellite orbit with inclusion of 3d zonal harmonic, differential corrections, 15564
- Harmstonia, *see* Flies.
- Harness, Vernon L., Brazilian cotton, trends and prospects, 9525
- Haroules, George G.:
- absolute temperature measurement at microwave frequencies, 17016
 - radiometric boresighting by sequential logging, 18055
- Harpers Ferry National Historical Park, general information, 11614
- Harper's Ferry, United States Marine Corps, historical reference pamphlet, 12784
- Harrach, Robert J., natural shift of resonance frequency, 2745
- Harre, Edwin A., fertilizer trends, 17261
- Harrer, Clarence M., Wyoming iron-ore deposits, 5104
- Harrington, J. F., sources of fertilizer minerals in South America, preliminary study, 1110
- Harrington, T. A., shelterwood method for regenerating sand pine, 9539
- Harris, A. S., effects of slash burning on conifer regeneration in southeast Alaska, 4834
- Harris, C. Cleland, and Associates, Spanish, programmatic course, instructor's manual, 13142
- Harris, Charles D., tension shell and blunted 100° conical shapes for unmanned entry vehicles, 1504
- Harris, Cyril M., sound absorption in air versus humidity and temperature, 6707
- Harris, Edmund S., price wars in city milk markets, 2168
- Harris, George L., area handbook for Thailand, 5734
- Harris, Henry M., hot rolling of oxide-glass compositions, 12820
- Harris, J. Donald, masked DL for pitch memory, 11348
- Harris, James W., relief, 15066, 16226, 17524
- Harris, Julius E., aerodynamic characteristics of spherically blunted cones, 1486, 14488
- Harris, Marshall, your farm rent determination problem, 17311
- Harris, Robert D., analysis and design of space vehicle flight control systems, 15502
- Harrison, Edwin F., use of Jupiter gravity turns for tailoring trajectories to Saturna with consideration of launch opportunities, 2692
- Harrison, Gordon F., Senate manual containing standing rules, orders, laws, and resolutions affecting business of Senate, etc., 10691
- Harrison, James K., thermal characteristics of storage vessel on moon, 5259
- Harrison, R. W.:
- compatibility of biaxially stressed D-43 alloy with refluxing potassium, 11422

- Harrison, R. W.—Continued
stabilization of carbon and nitrogen in stainless steel and its effect on mass transfer in stainless steel-Cb-12r-potassium system, 12864
- Harrison, Ark.:
Crooked Creek and tributaries in vicinity, engineer report—
departmental edition, 10955
document edition, 10700
- Harrison County, Iowa, physiographic history and soils, entrenched stream systems, and gullies, 1722
- Harrold, L. L., evaluation of agricultural hydrology by monolith lysimeters, 5687
- Harrold, T. W., thunderstorm motions, heights, and circulations, 6221
- Harry Diamond Laboratories, timers for ordnance symposium, proceedings, 104
- Hart, Clint E., frequency response and transfer functions of nuclear rocket engine system, 11526
- Hart, Elizabeth F., I & N reporter, 3405
- Hart, Gerald E., Hartlobe airborne dual antenna system for IFF, 8587
- Hartley, Jack L., thermography of human dentition, 17357
- Hartley, James, and family, relief, 15067
- Hartman, Bryce O.:
aircrew morale, 4184
hangover effect of secobarbital on simulated pilotage performance, 7364
MOL, predicting 4-hour levels of psychomotor performance from initial half hour, 17355
- Hartman, Joan E., directory of United States standardization activities, 15589
- Hartshorn, Joseph H., geology of Taunton quadrangle, Bristol and Plymouth Counties, Mass., 9560
- Hartzog, George B., jr., heritage to discover, 2184
- Harvesters, see Harvesting machinery.
- Harvesting:
cotton research plots, quick-change sacking attachment, 13198
potatoes and sweetpotatoes, dates, by seasons, in principal areas, 13211
potatoes, cost factors, evaluation, 15873
- Harvesting machinery, bulk handling spring crop potatoes from harvester to packing line, methods and costs, 35
- Harvey, Gale A.:
description of 4 fast slitless spectrographs, 18014
photometry of spectrograms of 3 artificial meteors, 9902
slitless absolute spectral photometry, 5247
- Harvey, George M., growth rate and survival probability of blister rust cankers on sugar pine branches, 14103
- Harvey, John M., air transport of California strawberries, factors affecting market quality, 1704
- Harvey, Lulie V., natural gas processing plants, 8372
- Harvey, Thomas W.:
addresses, etc.—
May 17, 1967, 10905
Sept. 15, 1967, 16479
Oct. 12, 1967, 16477
- Harwell, Robert A., relief, 7624
- Hasbani, Youssef S., relief, 12326
- Hasenberg, Werner, reform of French social security system, 17199
- Hastelloy, see Nickel.
- Hatch, Charles R., effect of partial cutting in overmature lodgepole pine, 14090
- Hatch, Howard G., jr., dynamic simulation of lunar module docking with Apollo command module in lunar orbit, 11520
- Hatcher, Norman M., survey of attitude sensors for spacecraft, 12882
- Hatcheries, see Chickens—Fish and fisheries—Poultry—Turkeys.
- Hatry, Harry P., criteria for evaluation in planning State and local programs, 16411
- Hatton, T. T., maintaining market quality of fresh liches during storage and transportation, 37
- Hatzisavvas, Christina, relief, 13615, 13783, 14899
- Havana, Cuba, Latin American Solidarity Organization, conference, Senate Judiciary Committee staff study, 13872
- Haverhill, Mass., area wage survey, 15440
- Haviland, Virginia:
children's books, 1966, list, 6622
children's literature, guide to reference sources, 5085
serving those who serve children, 2532
- Hawaii:
air carrier routes, map, 4372
air transportation of all classes of mail, hearing, 9166
Alouette I observations recorded, 6736
blackbutt eucalyptus, physical and mechanical properties, 2328
census of agriculture, 1964, State and county statistics, 14839
census of manufactures, 1963, area statistics, 154
census of mineral industries, 1963, area statistics, 4284
climatological data, 3096
coast pilot, supplement, 5944
copepod crustaceans parasitic on teleost fishes, 11603
county business patterns, 171, 12046
hardwoods, multivariate equations developed for volume prediction, 8084
Hawaii Development Irradiator, dedication (remarks), 12025
housing 1965-70, forecast of requirements, 16664
lights and fog signals, list, changes, 1537, 7004, 11642, 18099
metallurgical testing of Hawaiian ferruginous bauxites, report, 11374
mineral industry, minerals yearbook chapter, 2553
nautical chart catalog, 7558
Norfolk-Island-pine grown, physical and mechanical properties, 8105
nursing home care for veterans, eliminate certain requirements, report, 6007
paintability of 2 Hawaii-grown woods, 4543
pines, phenology and growth habits, 4854
plantation timber—
Hawaii Island, 4858
Kauai Island, 16665
precipitation data, hourly, 2401
Queensland maple seedlings, growth accelerated after first year, 8090
radio station NPM, antipodal region, airborne field measurements, results, 5345
rain forest, herbicides for site preparation, 4842
rainfall and streamflow from small tree-covered and fern-covered and burned watersheds, 8115
storm warning facilities charts, 11902
tide tables, high and low water predictions, 7555
tropical agriculture in economy (address), 4093
volcano observatory, summary, 3391
zooplankton, abundance and distribution, 14064
- Hawaii Volcanoes National Park, general information, 2756, 11615
- Hawaiian Islands, see Hawaii.
- Hawaiian Volcano Observatory, summary, 3391
- Hawkins, Gerald S., 5,000- and 10,000-year star catalogs, 8683
- Hawkins, Murphy E., salt domes in Texas, Louisiana, Mississippi, Alabama, and offshore tidelands, surveys, 2541

INDEX 1967

- Hawkins, William C., aerospace maintenance safety, 2992
- Hawley, C. C., geology and ore deposits of Lawson-Dumont-Fall River district, Clear Creek County, Colo., 16683
- Haworth, D. R., analytical investigations of laminar separations using Crocco-Lees mixing parameter method, 9806
- Hawthorne, J. R., metallurgical variables as possible factors controlling radiation sensitivity of structural steels, 5357
- Hay, Chu Chai-ho, *see* Chu Chai-Ho Hay.
- Hay, John, Camp, *see* John Hay, Camp.
- Hay:
- baled, sampling tool to extract cores, 13201
 - feed statistics, 17333
 - stocks, farm and off-farm, by States, 1959-65, revised estimates, 7300
 - trefoil production for pasture and hay, 14741
- Hayes, Jack:
- outdoors USA, yearbook of agriculture—departmental edition, 17325
 - document edition, 17566
- Hayes, Una, developmental approach to case-finding, with special reference to cerebral palsy, mental retardation, and mental disorders, 10403
- Haynes, William P., evaluation of battery-powered vehicles, 9770
- Hayward, J. T., roller system to facilitate covering boxcars with tarpaulins for fumigation, 13202
- Hazardous occupations, *see* Occupations.
- Hazardous substances:
- child protection under Federal hazardous substances act, 12552
 - Federal hazardous substances act, text, as amended, 12563
 - harmful to health, Czechoslovakian study, 14265
 - labeling act, amend—
 - hearings, 2112
 - law, 466 - packaging and handling for military aircraft transportation, Air Force manual, change, 13255
 - transportation of dangerous articles, etc., Federal aviation regulations, 10998-999
- Hazel, Joe T.:
- merited grade and skill level ratings of airman jobs, 1172
 - merited grade versus merited pay rankings of airman jobs, 7339
 - policy equation to predict Criterion Board ratings, officer grade requirements project, 15891
- Hazel, Joseph E., Hemicytheridae and Trachyleberididae (Ostracoda) off north-eastern North America, 8174
- Hazen, Scott W., jr.:
- analyzing mine and mineral-deposit sample and assay data, 14322
 - assigning area of influence for assay obtained in mine sampling, 12815
 - correlation between assay values and unequal sample interval values, 2571
- Head:
- face protection, occupational safety aid, 9700
 - head-controlled TV system produces high-quality remote image, 16887
 - restraint for automotive vehicles, Federal standard, 6330
- Head nurses, *see* Nurses and nursing.
- Head Start Project, *see* Project Head Start.
- Headaches, hope through research, 2818
- Headley, Larry C., status of porous ionizers for contact ionization of cesium, 11540
- Headstones, *see* Tombstones.
- Heady, Earl O., food needs and U.S. agriculture in 1980, analysis of land, labor and capital requirements, etc., 17122
- Healing art:
- practice act, District of Columbia, amend to exempt from licensing requirements physicians employed by District of Columbia—
 - law, 17560
 - reports, 10559, 16384
- Health:
- advancement of knowledge for Nation's health, research programs of NIH, 14616
 - allied professions and services, education for, 14622
 - allied professions personnel training act of 1966, law, 463
 - Army examination of youths for military service, analysis of results, 8900
 - auxiliary training, instructor's guide, 2814
 - benefits program for retired members, and dependents of members of uniformed services—
 - law, 365
 - report, 664 - better care for people with low incomes, new title 19, medical assistance program, brief summary, 2228
 - Bucharest Hygiene Institute, 40-year record, 12723
 - career opportunities, openings for psychiatric aid, laundry manager, etc., 15693
 - characteristics by geographic region, metropolitan areas, and other places of reference, 10068
 - children in day care, with focus on health, 7513
 - cigarette smoking and health characteristics, statistics, 10067
 - community action for health, 2167
 - community health planning, role of health and welfare councils, 2832
 - community infant formula services, minimum sanitary standards, 15698
 - community planning, bibliography, 16540
 - comprehensive health planning (paper), 10045
 - comprehensive health planning and public health services amendment, law, 461
 - Czechoslovak Ministry of Health directives on control of pharmaceuticals, 12685
 - emergency activities, appropriations, 1968—
 - hearings, 9145
 - reports, 10600, 13131 - emergency care, family guide, reference guide for students of medical self help training course, 4378
 - emergency service, definition of program content for Bureau of Health Operations, 11732
 - environmental aspects of hospitals, infection control, 8635
 - environmental health series—
 - air pollution, 1572, 5428, 7062-63
 - Arctic health, 14623
 - radiological health, 7064-65, 8630, 10047, 11725, 15681-682, 17140
 - urban and industrial health, 15683-684 - examination surveys of persons aged 6-17 years, study of achievement test used, 13098
 - facilities, District of Columbia, project grants for construction and modernization, hearing, 16405
 - Federal surplus personal property, how to acquire, 12621
 - health and obesity, source book of current information, 1585
 - health economics, program for research, 10050
 - health economics, series, 10050, 15685
 - health, education, and welfare indicators (periodical), 3394
 - health information leaflets and pamphlets, list, 18171

Health—Continued

health information series, 1574-76, 2815-21, 5433-34, 7068-69, 11730-731, 14626-628, 15686-687, 17145-148, 18165-167

health interview survey—
current estimates, 11763
family characteristics and health measures reported, 7097

health mobilization series, 1577, 2822-25, 11732-733, 13081, 15688, 18168

health resources statistics, 10051

home health services, planning, summary of development, following Medicare and Medicaid, 10057

home services in your community, 11735

homemaker-home health aide in personal care, training, 15714

hygiene with principles of public health organization, USSR study, 1192

Indian and Alaska native health program, nurses, examination announcement, 10436

Indians—
Interior Dept. policies, etc., briefing, hearings, 10655

Public Health Service program—
nurses, examination announcement, discontinuance, 10423
report to the 1st Americans, 11761
role of dentist, 8627

industrial, publications, price list, 17135

information and policies on grants—
for comprehensive areawide health planning, 17156
to States for—
comprehensive health planning, 15702
public health services, 13086

insurance, social security rulings, 2872

late somatic effects of radiation of body in man, 10308

library services of National Clearinghouse for Smoking and Health, 11740

livable environment, strategy for, 12622

MDTA and your health manpower needs, 15434

medical training in Veterans Administration, major contribution to Nation's resources, 8782

National Interagency Conference on Smoking and Health highlights, 7077

neighborhood centers, general information, questions and answers, 7877

new programs for persons and families of low and moderate income, 8193

opportunities for health science libraries, 6941

partnership for health, 13086, 15702, 17156

partnership for health amendments of 1967—
hearings, 12305, 17670
reports, 16230, 16247

partnership for planning, extension of remarks, etc., 7080

poisons and other harmful substances, Czechoslovakian study, 14265

Polish National Republic public health organization problems, 15425

portraits in community health (series), 5456, 13089

positive approaches (address), 1893

professions—
allied educational improvement grants, 2807
education, publications, bibliography, 5459
scholarship program, 13082
student loan program, 5435, 17149

programs, proposals, message from the President, 7602

protection, target of Bureau of Disease Prevention and Environmental Control, 11734, 17150

Health—Continued

public—
code of Federal regulations, 7989
computers, electrocardiography, report of recent studies, 11723
conference on records and statistics, proceedings, 11th national meeting, 18185
engineering abstracts, 3781
grant programs in dental research, research training, fellowships, 8632

laws, amend—
hearings, 9163
law, 12173
reports, 9136, 10599, 12366

laws, compilation, 4547

personnel in local health units, PHS analysis of information, 10059

public health bibliography series, 1589-90, 7083, 8642-43, 11753-754, 13090, 15705

public health monograph series, 7084

public health reports, 3782

residency training in preventive medicine and dental public health, 7090

space flight feeding systems, public health implications, 15898

State salary ranges, 4898, 11194

traineeships for professional personnel, 15713

USSR—
greater economy urged, 6570
medical men and economists discuss economics of, 2462
problems in next 5-year plan, 4966
public health service, defects cited, 1263
Soviet public health (USSR periodical), translations, 3889

Public Health Service grants, etc.—
funds, 1966—
construction of research facilities, 11755
formula, project grants and regional medical planning grants, etc., 8644
research, 7085
summary tables and graphic highlights, 15706
training projects, policy statement, 13091
Washington State, financial administration, GAO review, 14160

radiological data and reports (periodical), 3805

radiological health research, July 1965-Dec. 1966, summary report, 13092

radiological health technician training programs, 13093

radiological health training courses, 13085
recent translations, selected list, 3809
reference facts, 16706

research facilities construction program, Surgeon General's report, 524, 12207

research grants by NIH, administration, report, 17575

research highlights, NIH work, 10061

Rumania—
children's health protection problems in Socialist Republic, 15361
prophylaxis in health protection, 1160
situation, 1240

safety of large volume parenteral solutions, national symposium proceedings, 15275
securing, in our urban future, 7091

service personnel, education—
clarify responsibility of VA, law, 489
lack of implementation by VA, hearings, 16344

services—
and surveys, research relating to children, 8967
coordinated funding, in projects receiving or eligible for assistance under programs of HEW and OEO, 13938
costs and delivery to older Americans, hearings, 17633

INDEX 1967

- Health—Continued
 services—continued
 elderly people, Dexter Manor story, 5456
 Memphis-Shelby County, Tenn., civil rights report, 14851
 project grants manual, changes, 10052
 Project Head Start, guide for directors and health personnel, 12450
 ship repairing regulations, 9728
 shipbreaking regulations, 9729
 shipbuilding regulations, 9730
 smoking and health—
 bibliography, 15705
 directory of on-going research, 11743
 smoking, health consequences, Public Health Service review, 17144
 statistics—
 analytical studies, 5466, 7097, 8659, 17167
 data evaluation and methods research, 2842, 7096, 8657-58, 11762, 13098
 data from national health survey, 7098, 8660-61, 10067-69, 11763-764, 13099, 14637-639, 18168-170, 18188-189
 data from National Vital Statistics System, 5471, 8662, 15715, 17171-172
 travel information—
 Asia, etc., Australia and New Zealand, 13078
 Europe, 13079
 Mexico, Central and South America, and Caribbean, 13080
 voluntary health and welfare agencies, fundraising within Federal service, manual, 3539, 4399
 workers in Peace Corps, 5377
see also Medical care—Mental health.
- Health Agencies, State, Advisory Committee on HEW Relationships with, *see* Advisory Committee on HEW Relationships with State Health Agencies.
- Health and Safety Laboratory:
 AEC fallout program, quarterly summary reports, 1785-86, 5774-75, 10299-306, 13524-325
 AEC, standard procedures manual, 1795, 13336
- Health boards and departments:
 directory—
 local units, 1569
 State and territorial health authorities, 15680
 nursing expenditures in small health agencies, costing procedures, 5437
- Health centers:
 health services research centers, purposes & organization, 17151
 home health agencies, providers of services under health insurance for the aged, directory, 11793
 neighborhood, demonstration program, general information, 9383
- Health Council, National Advisory, *see* National Advisory Health Council.
- Health Department, D.C., employees, remaining on duty during inaugural period, provide meals, report, 7686
- Health, Education, and Welfare Department:
 activities in family planning, fertility, sterility, and population dynamics, 1136
 annual report, 8190
 appropriations, 1967, law, 491
 appropriations, 1968—
 amendments, 10517
 hearings, 7734, 10631, 13841
 reports, 10560, 10612, 12252, 15082, 16287
 career opportunities, auditing, 8195
 field directory, 12619
 health services, coordinated funding, in projects receiving or eligible for assistance under programs of HEW and OEO, 13938
 mental retardation activities, 6414
 mental retardation publications, 4896
 press releases, 3734
- Health, Education, and Welfare Department—Continued
 relationships with State health agencies, advisory committee report, 6413
 reorganization, hearings, 956, 2121, 4642, 6112
 index, 16416
 research grants, etc., establishing indirect cost rates, guide for—
 educational institutions, 8189
 hospitals, 12620
 strengthening community services in low-income neighborhoods, concerted services with HUD, task force report, 17840
 Surplus Property Utilization Office, regional representatives, directory, 8188
 Health, education, and welfare indicators, 3394
 Health, Education, and Welfare Services and Housing Joint Task Force, report, 17840
 Health insurance:
 aged persons—
 extend deadline for enrollment—
 law, 16142
 report, 16264
 extended care facility, manual, 5504, 7120
 home health agency manual, revision, 8687, 18206
 social security amendments of 1967—
 hearings, 15154, 16409
 reports, 14953, 14964
 summary, 15053
 social security handbook, 1606
see also below, medicare.
 Blue Cross and Blue Shield plans, 1965, enrollment and finances, 1607
 credit, for student loans, increase maximum amount allowable in D.C., report, 882
 disabled persons, provide, hearings, 7763, 10684
 drug prescription programs, digest, 8628
 enrollment under social security, July 1, 1966, number of persons by State and county, 10083
 Federal employees—
 and retired Federal employees health benefits, annual report, 7540
 Federal personnel manual, supplement, 3303
 health benefits act, text, 4654
 health insurance for the aged, HIM (series), 5502-4, 7119-20, 8687, 10084, 18206
 health insurance statistics, current medicare survey report (series), 17197
 household workers and their employers, statistics, 2871
 independent plans, 2870, 17201
 medicare—
 conditions for coverage of services of independent laboratories, 5502
 facts, 18209
 home health benefits, payments to agency, 7128
 hospital manual, 10084
 how it helps when entering hospital, 5513
 initial operating data, 5515
 medical insurance claims, methods of payment, 7127
 people 65 or over, 5511
 provider costs, reimbursement, principles, 5503
 services by hospital-based physicians, reimbursement, 7119
 social security benefits for people 65 and over, information, 10085
 negotiated health and insurance plans, 1962-66, changes, 2521
 plans under collective bargaining, digest, 5058
 social security rulings, 3881

Health insurance—Continued
see also Old-age, survivors, disability, and health insurance.

Health officers:
 local, statistics and characteristics, 10053
 Soviet officials in USSR, 1247

Health Operations Bureau, emergency health service, program content, definition, 11732

Health physics, *see* Physics.

Health Physics Society, journal, KWIC index, 15694

Health records, *see* Medical records.

Health resorts, Polish, treatment of diabetics, 17865

Health service workers, health service industry, technology and manpower, 1965-75, report, 11297

Health Statistics, National Center, *see* National Center for Health Statistics.

Hearing:
 and speech disorders, causes, etc., 18178
 characteristics of persons with impaired hearing, 8660
 flying personnel, survey, 17356
 hearing levels of adults by race, region, etc., U.S., 17168
 signal presentation rate, auditory threshold, and group vigilance, 11349

Hearing examiners, examination announcement, 12114, 16066

Hearings:
 adjudication cases before Government agencies, modified procedure, hearings, 13871
 congressional committees, index, 13472
 Federal Reserve System Board of Governors rules of practice, 15250

Hearn, George H.:
 remarks—
 Feb. 1, 1967, 6258
 Feb. 24, 1967, 6260
 Mar. 31, 1967, 7970
 May 20, 1967, 11016

Hearn, Jackson B., foreign trade regulations of Turkey, 12136

Heart:
 artificial parts, fact sheet, 11729
 atrial systole effect on right ventricular stroke output in man, 11956
 coronary circulation, normal and pathologic, 11999
 heart research news (periodical), 3395
 miniature swine, cardiac output, etc., 4186
 multifocal premature contractions, ECG finding of grave significance, 15897
 rate response of anesthetized and unanesthetized dogs to noise and near-vacuum decompression, 4180
 resting man during early exposure to high altitude, cardiopulmonary responses, 7413

Heart diseases:
 aortic insufficiency in flying personnel, 17348
 characteristics of clients rehabilitated, 7221
 congenital, review of research grants supported by National Heart Institute, 15677
 Coronary Drug project, 15678
 electron-histochemical investigations of experimental myocardial ischemia, USSR study, 14219
 hypertension and heart disease, views, 8658
 National Congestive Heart Failure Seminar, report and recommendations, 8646
 nursing in coronary care units, publications, films, and other teaching aids, 5452, 11754
 regional medical programs, guidelines, 13076

Heartwood:
 differences between heartwood and sapwood, 2302

Heartwood—Continued
 native species, comparative decay resistance, 8065

Heat:
 capacity measurements, phase composition of frozen montmorillonite-water mixtures, 14792
 content of blast-furnace and synthetic slags, 6675
 cryogenic seal remains leaktight during thermal displacement, 12837
 dispersion of borax in plastic, excellent fire-retardant heat insulator, 8384
 high intensity radiation source capable of sustained operation, 5215
 input rates effects on T-1 and T-1A steel welds, 12894
 losses, sensible and latent, from occupants of survival shelters, 7092
 shells of revolution possessing variable thickness heat protection, stiffness matrix solution, 11514
 stability of egg white proteins under minimal conditions that kill salmonellae, 11918
 thermal characteristics of storage vessel on moon, 5239
 waste, use for production of fresh water, 6450
see also Heat transfer—Temperature.

Heat (specific), *see* Specific heat.

Heat capacity, freezing point depression and heat capacity of soils, thermodynamic relationships, 8878

Heat exchange, *see* Heat transfer.

Heat exchangers:
 coldplate of pin fin design makes efficient one, 9839
 corrosion in hot sea water in experimental loop apparatus, investigation, 15326
 design parameters and cost, evaluation, computer usage, 14324
 industrial plant equipment handbook, 977
 liquid metal, thermal conductivity of layer adjacent to wall, USSR study, 11249
 tubes supported in high vibration environment, 5220
 vertical-upflow single-tube, pressure drop and heat transfer for water boiling, 14463

Heat flux, *see* Heat transfer.

Heat of activation, tungsten resonance absorption integrals, determination, 18012

Heat of combustion, methane gas, calculation of heating value for use as reference material, 2743

Heat of formation:
 lithium sulfate and 5 potassium- and lithium-aluminum silicates, 2577
 ytterbium and thulium trichlorides, 6683

Heat shields:
 ablative materials for X-15-2, arc-tunnel evaluation, 5238
 ceramic, for lifting reentry vehicles, study, 15509

Heat sink, repairable, high-density microelectronic module, 17967

Heat transfer:
 axisymmetric solutions, solidification in thermal-energy storage systems, analysis, 5246
 boiling, in zero-gravity environment, 5164
 boiling, with electrical field, 13334
 characteristics for dilute gas-solids mixture in externally heated tube, numerical method for determining, 14326
 characteristics of axial-flow liquid-core nuclear rocket, 14497
 charts adapted from Spalding and Chilton method, 11518
 classification definitions, heat exchange, 18127
 coefficients and static pressures for condensation of high-velocity steam within tube, 9911

Heat transfer—Continued

- coefficients, in convergence nozzles with uncooled pipe inlets, 17005
- computer program resolves radiative, conductive, and convective problems for variety of geometries, 17959
- conduction in moist porous media, 10256
- conical porous membrane during planetary entry, 11554
- convection, conduction, and evaporation in nucleate boiling, assessment, 9907
- convection, ice melting, 7378, 17376
- convectively cooled nuclear rocket type nozzle, design and evaluation, digital codes, application, 5269
- cryogenic hydrogen flowing turbulently in straight and curved tubes at high heat fluxes, 6713
- cylindrical leading edge, effects of shock wave impingement, 6896
- Dowtherm A, tests, final report, 5762
- factors influencing heat transfer to liquid-propellant rocket-thrust-chamber coolant channels, 1484
- film-boiling heat transfer from flat plate effect on subcooling and radiation, 14453
- forced-convection, correlations for gases flowing through wire matrices at surface temperatures to 5500° R, 9913
- formation of non-wettable soils involves heat transfer mechanism, 11124
- fuel temperatures in gaseous nuclear rocket engine, local and average estimates, 16998
- heat and mass transfer at stagnation point, 12869
- heat flux sensor design reduces extraneous source effects, 2656
- high-performance once-through boiling of potassium in single tubes at saturation temperatures of 1500° to 1750° F, 15504
- horizontal spray film evaporator, coefficients, 6440
- liquid-liquid, evaluation for large-scale desalination, 14206
- liquid-metal flow in rectangular channels with heat sources in fluid, 6883
- local, and pressure distributions for freon-113 condensing in downward flow in vertical tube, 11510
- long duration heat flux transducers, theory, etc., 6777
- man in oxygen-helium environment, heat exchange, 81
- manned orbiting space station, thermal control considerations, 11538
- measurements on flat plate with attached protuberances in turbulent boundary layer, 5232
- measurements on rotor blade of rotor entry vehicle model, 12965
- nonwetting, condensing mercury flow in horizontal, sodium-potassium-cooled tubes, experimental investigation, 11541
- one-dimensional heat conduction problems, computational procedure for finite difference solution reduces computer time, 2675
- potassium performance during condensation inside single tubes, 15506
- power required to circulate gas-solids suspensions, 15483
- pressure drop and heat transfer for water boiling in single-tube heat exchanger, 14463
- properties of copper braze bonds, correlation with ultrasonic transmission properties, 8389
- radiant, in fuel region of gaseous nuclear rocket engine, 5183
- radiant, liquid core nuclear rocket engine, potential performance, 18016
- radiative, for large objects at meteoric speeds, analysis, 12958

Heat transfer—Continued

- rate, and orifice size, effect on measured static pressures in low-density arc-heated wind tunnel, 6876
- regeneratively cooled hydrogen-fluorine rocket engine at low chamber pressure, 17006
- roughness effect to hemisphere cylinders at Mach numbers 10.4 and 11.4, 8492
- supersonic aerodynamics, effects, handbook, 1542
- tension shell configurations, investigation, 5270
- thermal conductivity—
 - cermet fuel materials, estimating for nuclear reactor application, 8502
 - coefficients of dilute neon, krypton, and xenon, 11589
 - coefficients of dilute nitrogen and oxygen, 5293
 - liquid-metal heat exchanger layer adjacent to wall, USSR study, 11249
 - ordinary and deuterated gaseous hydrogen fluoride and their equimolar mixture, 12961
 - phenolic-carbon composite, nondegraded and thermally degraded, 16917
 - probe for glaciers, 17377
 - probes for soils and insulations, 4201
 - selected materials, 1523
 - wood-base fiber and particle panel materials, 14124
- tubes, capability increased by selective roughening, 6773
- turbulent boundary layer investigation with transfer at high Reynolds numbers, 8488
- turbulent, correlation of free-flight data from axisymmetric bodies with compressible flat-plate relationships, 5272
- turbulent liquid-metal, in channels with heat sources in fluid, theoretical investigation, 1499
- weak locally homogeneous turbulence and heat transfer with uniform normal strain, 5254
- Heat treatment:
 - aluminum casting alloy M45, study, 12892
 - iron and steel, 2739
 - metal parts facilitated by sand embedment, 6779
 - stabilizes welded aluminum jigs and tool structures, 2625
 - tensile yield strength using least number of specimens, simplified method measures changes, 16879
- Heaters:
 - control circuit provides both fast and proportional control, 11445
 - space, Federal item identification guide, 15184
 - see also Furnaces—Unit heaters.
- Heath, Larman J., recovery of additional oil from water-drive reservoirs, 2574
- Heating:
 - induction, of cold plasma and DC plasma enhancement, use in production of superheated hydrogen plasma, 5166
 - induction, radio frequency, of low-pressure plasmas, 18035
 - rate and surface pressure for flat plate impinged upon by exhaust plume in near perfect vacuum, 6795
 - rates, numerical method for determining from thick-calorimeter data, 8486
 - resistance, releases structural adhesive, 8469A
 - system for homes, description, etc., 15874
 - thermal absorption in seeded gases, 12866
 - see also Aerodynamic heating—Arc heating.
- Heating apparatus and supplies:
 - current industrial reports, 3169, 5863
 - equipment, Federal item identification guides for supply cataloging, supplements, 3288

Heating apparatus and supplies—Continued
Federal Republic of Germany, market for residential heating equipment, 5953
industrial heating equipment industry, survey, 10330
see also Heaters.
Heating elements, *see* Electric heating elements.
Heaton, Leonard D., neuropsychiatry in World War II, 13311
Heavy water:
France, production, study, 1196
heavy water organic cooled reactor, thorium fuels, evaluation, 5764
industrial manufacture, East German study, 15378
intensity measurements of absorption bands, 1550
measurement of trace levels of deuterium oxide in biologic fluids using infrared spectrophotometry, 11964
quantitation of trace levels of deuterium oxide using infrared spectrophotometry, 10236
Hedden, O. K., equipment for applying soil pesticides, 14735
Hedges, Janice N., address, Nov. 19, 1966, 8796
Hedman, E. R.:
elimination of stratification at Lake Cachuma, Calif., 11183
floods of Nov. and Dec. 1965 in southern California, 1115
Hee, Olman, demand and price analysis for potatoes, 13252
Hee Shun Moon, *see* Chun Moon Hee (Hi).
Hee Lee Duk, *see* Lee Duk Hee.
Heebink, B. G., measuring surface irregularities in panel products, 11113
Heemstra, Haymond J., application of improved continuous electrophoresis apparatus to study of petroleum, 9764
Hegg, Karl M., photo identification guide for land and forest types of interior Alaska, 15287
Heidelbaugh, Norman D.:
man during 56-day exposure to oxygen-helium atmosphere, feeding bite-size foods, 82
space flight feeding systems, characteristics, etc., 15898
Heidmann, L. J., herbicides for preparing ponderosa pine planting sites in Southwest, 14110
Heidmann, Marcus F.:
chugging instability with liquid-oxygen and gaseous-hydrogen combustors, 11547
frequency response characteristics of propellant vaporization, 5235
Helen, Bobette P., basic data on economy of Iceland, 9016
Heilbroner, Robert L., automation in perspective of long-term technological change, 2487
Heimann, Rene H., relief, 12222, 13779, 14895
Heimel, Sheldon, thermodynamic properties of potassium to 2100°K, 16999
Heinrich, Kurt F. J.:
scanning electron probe analysis, 5288
X-ray wavelength conversion tables and graphs for qualitative electron probe microanalysis, 17039
Heinrich, P. L., dielectric infrared beam-splitter operating in 5 to 30 micron region, 6721
Heising, Leonard F.:
Lake Superior iron resources, etc., 6678, 14346
mineral industry of Minnesota, 2557
Heitz, Glenn E., how cooperatives grow, 12484
Helfman, Robert S., MAP read-routine for IBM 7094 Fortran II binary tapes, 4845

Helicopters:
Army model CH-34, depot maintenance manual, 7401
calculation and design, 17017
certification and operations of scheduled air carriers with helicopters, Federal aviation regulations, 6240, 12497
close-order formation keeping system, final report, 5771
cross-pointer-type instrument display in landing, 1488
DYNAGYRO, mechanical stability augmentation system, 13307
heavy lift, hot cycle rotor system, preliminary design, 10288
heavy-lift, shaft-driven rotor system parametric analysis and preliminary design, 116
helicopterborne operations, Marine Corps manual, 15460
hingeless rotor system, structural loads encountered, exploratory flight investigation and analysis, 1487
light observation and large load-lifting military, operational experiences, 16983
light observation, Army procurement, review—
hearings, 12289
subcommittee report, 13699
measurement of low frequency vibrations and their transmission to pilot, 11564
moving-map instrument display in landing approaches, evaluation, 11531
night flying over mountains, guidance systems tested, 8089
Princeton dynamic model track, general description, 7409
radial-flow turbines, friction and leakage losses in blade-rings, 5277
rotor air loads, blade motion and stress caused by transient inputs of shaft torque as related to stoppable rotor operation, 13308
rotor blades, comparison of flight-measured chordwise distributions with static 2-dimensional airfoil characteristics, 11502
rotor noise reduction, tip vortex core thickening, application, 4220
sampling tree tops by helicopter, 11123
tandem-rotor, aerodynamic loads and dynamic response of rotor blades, predicting, 13310
transmissions, using solid lubricants, investigation, 8897
UH-1, laminated elastomeric bearings in tail rotor, evaluation, 17389
UH-1B, fluid state hydraulic damper, 10286
use for herbicide control of shrub live oak and birchleaf mountainmahogany, 14111
XV-9A, hot cycle research aircraft, flight test program, 7410
Heliotechnology (USSR periodical):
translations, 3396
Heliports:
Army airfield-heliport design, general provisions and criteria, technical manual, change, 10274
District of Columbia, lease property—
hearing, 960
law, 12160
reports, 627, 931
emergency construction, technical manuals—
drainage and erosion control structures, 110
drainage, surface, design, arctic and subarctic, 7395
drainage, surface facilities, 4214
flexible pavement, evaluation, 4216
pavement evaluation concepts, 7392
rigid pavement, evaluation, 7393
Heliport standard marking pattern, development study, 17734

INDEX 1967

- Helium:**
 combustibility of materials in oxygen-helium and oxygen-nitrogen atmospheres, 5706
 effect of substitution of helium for nitrogen in mixtures with oxygen on flammability of materials in hyperbaric atmospheres, 11675
 effects as pressurants in nitrogen tetroxide transfer, 9847
 equation of state for helium-nitrogen mixtures, 8374
 genesis, rel. to isotopic abundance of neon, etc., in natural gases, 9785
 helium-neon laser discharge parameter study, 17086
 helium pressurant requirements for liquid-hydrogen expulsion using submerged gas injection, 14492
 leakage tracer, use facilitated by pipe weld testing fixture, 12904
 liquid, simple pump maintains level in cryostat, 8465
 liquid, transfer, resistor monitors, 6750
 liquefied, storage and transport, USSR study, 15403
 man in oxygen-helium atmosphere—
 behavior factors, 86
 clinical observations, 90
 enteric microbial flora, 79
 excretion of steroids and catecholamines, 7366
 exercise and cardiovascular response, 88
 56 day exposure study, 82, 92
 heat exchange, 81
 introduction and general experimental design, 91
 major and minor atmospheric components, 89
 nutritional evaluation of feeding bite-size foods, 83
 observations, 80
 oral, cutaneous and aerosol bacteriologic evaluation, 84
 renal response, 87
 selected blood enzyme response, 85
 portable detector set discloses helium leak rates, 9833
 thermodynamic properties of van der Waals fluid in 2-phase region, 11379
 two-constant equation from 30° to 1,473° K, 14357
 volume ion production costs in tenuous plasmas, detailed results, 15577
 Helium isotopes, helium-3, use for control of nuclear reactor with gaseous control system, 14485
 Heller, Christine A., Alaska dietary survey, 14623
 Helmer, William H., prediction of reenlistment, 118
Helmets:
 system broadcasts electroencephalograms of wearer, 2660
 welders, military standard, 9372
Helmiths, antigen structure, use of immunoelectrophoresis for study, USSR, 12664
 Helwig, Cecelia, salad dressing, mayonnaise and related products, 12028
Hem, John D.:
 composition of saline residues on leaves and stems of saltcedar (*Tamarix pentandra* Pallas), 6397
 form and stability of aluminum hydroxide complexes in dilute solution, 15313
Hemagglutination, indirect, test for Mycoplasma pneumoniae employing commercially available antigen and adapted to microtiter technic, 5754
Hematite:
 Clinton sandstone deposits, Butt Mountain area, Va., 12819
 ores of Marquette Range, Mich., flotation procedures, laboratory, etc., development, 14335
Hematocrit, mean blood hematocrit of adults, 10069
Hematology, see Blood—Immunohematology.
Hematoma, pressure, relieved with handheld instrument, 16963
 Hembre, Noble S., civilian manpower management, *Journal of Navy civilian personnel management*, 8602
Hemicytheridae, see Crustaceans.
Hemiptera in National Museum, notes, 5307
see also Hesperolabops.
HemisFair 1968:
 symbol of growing unity of the Americas (remarks), 7581
 U.S. participation, amend act—
 law, 399
 report, 621
Hemisphere, Eastern, foreign air carriers, routes authorized under permit, map, 4373
Hemisphere, Northern:
 climatology, introduction, 14793
 components of 1000-mb. winds, 6391
 daily synoptic weather maps, 3181
 meteorological body of data, derivation, 8417
 selected level temperatures and dew points, 6992
Hemisphere, Western:
 agricultural policies, 17714
 agricultural situation, review and outlook, 990, 10925, 16493
 Balclutha (Homoptera: Cicadellidae), classification, 8547
 foreign air carriers, routes to U.S. authorized under permit, map, 4374
 trade corporation income tax returns, data, 11224
 Western Hemisphere supply and demand study (series), 12456
Hemisquilla ensigera, see Crustaceans.
Hemlock:
 forest floors and soils under true fir-hemlock stands, characteristics, 11139
 scale insect, *Florida externa*, description, control, etc., 17796
 western—
 field testing of *Bacillus thuringiensis* for control of loopers, 14140
 labor requirements in thinning, 4837
Hemlock borers, description, control, etc., 16647
Hemodynamics, see Blood.
Hemoglobin:
 body total, measurement by bloodless techniques, 10232
 pathochemistry, USSR study, 14215
Hemolysis and hemolysins:
 effect of hypobaric and hyperbaric pressure on cell permeability, initial observations, 7356
 hemolytic and lecithinase activity, clostridium bacteria toxins effect, 15388
Hemophilia, anticoagulant effect of hemophilic blood, clotting prolonged in canine transmitter, 10244
Hemorrhage, tissue oxygenation during shock, 15895
Hemostasis and coagulation, theoretical concepts, 7340
Hempstead Harbor:
 channel improvement, engineer report—
 departmental edition, 9419
 document edition, 9073
 Hendee, John C., slash decomposition, laboratory tests fail to confirm acceleration by chemical treatment, 8086
 Henderson, Douglas B., nomination, hearings, 6094
 Henderson, Harry W., terms used in international agricultural trade, 9524
 Henderson, William P., rolling stability derivatives of variable sweep tactical fighter model, 6887

- Henderson County, Ky., soil survey report, 8698
- Hendricks, Lewis T., distribution methods and end-uses for hardwood face veneer and plywood manufactured in Michigan and Wisconsin, 8074
- Hendrickson, Nora A., relief, 7628
- Hendrix, A. T., modulating valve for programmed temperature, 2
- Henley, John W., electronic computer program for calculating saw log lumber recovery and value, 14080
- Henry, B. W., variation in brown-spot infection of longleaf pine from several geographic sources, 14118
- Henry, Colvern D., relief, 856
- Henry, Jack L., phase relations in uranium monocarbide region of system uranium-carbon-oxygen, 12821
- Henry Bolz Dam and Reservoir, designate, report, 2100
- Hens, *see* Poultry.
- Hepatoma, *see* Tumors.
- Herald of communications (USSR periodical), 3397
- Herbage-timber, differences in relationships between thinned and unthinned ponderosa pine stands, 2316
- Herbarium, *see* National Herbarium.
- Herbert, Edward L., starch and related products in selected countries, 15986
- Herbicides:
- fail to insure success of brushfield prescribed burn, 6366
 - for forest plantations, 12571
 - for preparing ponderosa pine planting sites in Southwest, 14110
 - helicopter-applied, control shrub live oak and hickory mountain mahogany, 14111
 - injection for controlling cull ohia trees, 8088
 - killing weeds, student or classroom science project, 4137
 - lawn weed control, 15854
 - picloram for killing chaparral species, preliminary rating, 8085
 - site preparation, broadcast spray by mist blower tested against understory in Hawaii rain forest, 4842
 - weed control in 2-year old walnut planting, 14098
- see also* Phenoxo herbicides.
- Heredity, hexaploid sweetpotatoes, theoretical segregation ratios of qualitatively inherited characters, 5688
- Heritage to discover, 2184
- Hermetia, species of *Hermetia* of aurata Group, 11609
- Hermetically sealed cells protected from internal gas pressure, 6846
- Herrmsmeier, Lee F., land forming, means of controlling surface water on level fields, 5642
- Hernandez, Fernando O. Garcia, *see* Garcia-Hernandez, Fernando O.
- Hernandez, Guillermo N., jr., relief, 9217, 13493, 13598
- Hernandez, Hector J. Sanchez, *see* Sanchez-Hernandez, Hector J.
- Hernandez, Julio D., relief, 10716, 16204, 17509
- Hernandez, Luis Crespo, *see* Crespo, Luis.
- Hernandez, Ramon Baez, *see* Baez Hernandez, Ramon.
- Herr, Robert W., dynamic model investigation of touchdown stability of lunar-landing vehicles, 18042
- Herrick, Owen W.:
- cost analysis of chip manufacturer at hardwood sawmills, 14139
 - Kentucky's lumber industry, 11136
- Herrington, Roscoe B.:
- aerial photo techniques for recreation inventory of mountain lakes and streams, 14128
 - Herrington, Roscoe B.—Continued
 - skiing trends and opportunities in Western States, 11133
 - technique for sampling general fish habitat characteristics of streams, 17806
- Hersch, Martin, gaseous-hydrogen-liquid-oxygen rocket combustion at supercritical chamber pressures, 17001
- Hersh, A. S., drag coefficients of microscopic spheres in free-molecule flow, 11407
- Herter, Christian A.:
- memorial services, 16152
 - print as House document, report, 12242
- Hervey, John G., Federal textbook on citizenship, our Constitution and Government, 12632
- Herzog, R.F.K., mass spectrometer analysis of solid materials with ion-microprobe sputter source, 5178
- Hesperolobos, cactus plant hug genus, 14539
- Heterocyclic compounds, distillable, identification from coal tar, 12795
- Heterodyne operations of avalanche photodiodes, 18023
- Heterodyne phase shifter with inductive delay line, etc., 16977
- Heteroptera in National Museum, notes, 5307
- HEW, *see* Health, Education, and Welfare Department.
- Hewes, Donald E., analysis of self-locomotive performance of lunar explorers based on experimental reduced-gravity studies, 11501
- Hewitt, Francis S., Committee on Appropriations, Senate, 100th anniversary, 9183
- Heyl, Allen V., aeromagnetic and tectonic analysis of upper Mississippi Valley zinc-lead district, 4888
- Heyson, Harry H.:
- equations for application of wind-tunnel wall corrections to pitching moments caused by tail of aircraft model, 2715
 - tables of interference factors for use in correcting data from VTOL models in wind tunnels with 7 by 10 proportions, 9825
- HFIR (high flux isotope reactor), *see* Reactors (atomic).
- HIFA, *see* Housing and Home Finance Agency.
- Hi Chun Moon, *see* Chun Moon Hee (Hi).
- Hi I'm Mr. Money Wise, 14649
- Hibbing, Minn., nonmagnetic taconite occurrences in area, reexamination, 14346
- Hickerson, Harold, land tenure of Rainy Lake Chippewa at beginning of 19th century, 6974
- Hickman, Robert C., Chattanooga shale investigations, 9783
- Hickory, redcedar mixtures established in poor oak-hickory forests, 8073
- Hicks, J. R.:
- fog dispersal experiments using propane at Walla Walla, Wash., 11984
 - improving visibility during periods of supercooled fog, 7381
- Hicks, Raymond M., some effects of Mach number and geometry on sonic boom, 18041
- Hides and skins, *see* Leather, hides, and skins.
- Hiers, Robert S., effects of shock wave impingement on heat transfer on cylindrical leading edge, 6896
- Higgins, Ralph V.:
- computer techniques for predicting 3-phase flow in 5-spot waterfloods, 15477
 - unique properties of permeability curves of concern to reservoir engineers, 14360
- High energy physics, *see* Atomic energy.
- High Plains, *see* Southwest (U.S.).
- High Rock Nature Conservation Center, New York City's educational workshop for children, 13959

INDEX 1967

- High schools :
aid to strengthen and improve educational quality and opportunities, administration of programs, notes and working papers, 10865-867
biology, radioisotopes experiments, bibliography, 5797
football contests, protect from professional contests—
hearings, 742
law, 504
law, legislative history, 2064
law, summary, 4566
Senate amendments, summary, 4568
Gallaudet College, model secondary school for deaf to serve National Capital region, establishment, etc.—
law, 408
law, legislative summary, 8192
graduates, Presidential scholars, 4717
high school and cultural illiterate, 7899
model spacecraft construction units for secondary school industrial arts, 2594
public secondary day schools, pupils, teachers, etc., fall 1966, statistics, 7896
see also Secondary education—Students.
High Speed Ground Transportation Panel, see Panel on High Speed Ground Transportation.
High-temperature materials, see Refractory materials.
Higher education, see Colleges and universities.
Highland, J. D., soil survey of Iowa County, Iowa, 14657
Highway engineers :
Public Roads Bureau—
professional engineer, opportunities, 18193
training program, opportunities for young engineers, 1593, 18192
Highway machinery, see Road machinery.
Highway planning notes, 13100
Highway safety, see Safety of life.
Highways, see Roads and highways.
Hiking, see Walking.
Hill, Chester A., relief, 344, 543
Hill, Edward E. :
preliminary inventory of records of—
Indian Affairs Bureau, 14506
National Park Service, 14509
Hill, T. E. jr., processing of high-iron Arkansas bauxite ores, 9766
Hill, Thelma P., chemical composition of sedimentary rocks in Colorado, etc., 14172
Hill-Burton program :
hospital and medical facilities series under Hill-Burton program, 1579, 7071, 8634-35, 11736, 15690-692
progress report, 7070
publications, bibliography, 5459
Hill-Burton project register, 3398, 8633, 18169
Hilliard, Jack B., annotated bibliography of Marine Corps in First World War, 14310
Hille, Ernest R., entry flight aerodynamics from Apollo mission AS-202, 17009
Hillson, Louise H. :
basic data on economy—
Malaysia, 1943
Singapore, 7575
Hilo, Hawaii :
harbor, tsunami barrier stability—
navigation opening structures, 2220
rubble-mound, 16526
Hilton, David A., sonic-boom measurements during bomber training operations in Chicago area, 1481
Hilton, Inge H., relief, 10552
HIM series, 5502-4, 7719-20, 8687, 10084, 18206
Hindelang, Franz J., coupled vibration and dissociation relaxation behind strong shock waves, 6908
Hinds, Thomas E., indicators and associated decay of Engelmann spruce in Colorado, 6371
Hiner, Richard L., slaughtering, cutting, and processing beef on farm, 4106
Jing Hom Mon, see Hom Sheck See, and wife.
Hinges :
adjustable, permits movement of knee in plaster cast, 9829
safety door, for automotive vehicles, Federal standard, 6319
Hinkle, Melvin E., mineral industry of Maryland, 5116
Hinsch, Robert T., new overwrapped trays for McIntosh apples, 1674
Hinshaw, L. B., problems in aerial application : 1-V., 17410
Hinson, William F., effects of jet pluming on static stability of rocket models, 14467
Hipparchus, AIC 77B, lunar chart, 7330
Hippchen, Leonard J., personnel and personnel practices in public institutions for delinquent children, 4367
Hipskind, Roger P., Brazilian income tax legislation, 12133
Hiranaka, Setsuko, see Wilson, Setsuko.
Hired farm workers, see Farm labor.
Hirschmann, E. :
development of 10.6-micron, laser modulator, 12957
electro-optic and magneto-optic modulators, 11487
electro-optic light modulators, 1489
Hirshhorn, Joseph H., Museum and Sculpture Garden, see Joseph H. Hirshhorn Museum and Sculpture Garden.
Hirst, Stephen M., basic data on economy of Soviet Zone of Germany, 5956
Hispanic Foundation, bibliographical series, 12779
Histochemistry :
electron-histochemical investigation of experimental myocardial ischemia, USSR study, 14219
histochemical methods in electron microscopy, USSR study, 12661
Weil stain on liver, aerial application, problems, 10320
Histopathology laboratory procedures of Pathologic Anatomy Branch of National Cancer Institute, 15689
Historians, examination announcement amendment, 10414
Historic American Buildings Survey, selections, 11616
Historic Preservation in United States, National Trust for, see National Trust for Historic Preservation in United States.
Historic sites :
heritage to discover, 2184
landmarks, in District of Columbia, registration, report, 14999
national survey of sites and buildings, prospector, cowhand, and sodbuster, historic places associated with mining, etc., in trans-Mississippi West, 13008
preservation, as part of urban renewal, law, 465
preservation program—
law, 384
report, 673
selection of national landmarks, NPS criteria, 8554
see also names of historic sites.
Historical chart book, 16591
History :
American, publications, price list, 18151
historical handbook series, 1533
announcement and order form, 8621
national defense education act—
institutes for advanced study, summer 1967, handbook for directors, 1003
instruction, financial assistance guidelines, 13956

History—Continued

- national defense education act—cont.
- loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
- Smithsonian journal of history (periodical), 3379
- see also* Military history—Naval history—also names of departments, etc.—also subjects.
- History and Geography, Pan American Institute of, *see* Pan American Institute of Geography and History.
- History and Technology Museum:
 - battle art, exhibition, 8680
 - contributions from, 9951, 11602
 - title page, contents and index, 14529
- Smithsonian Institution, growth of United States, 1640-1851, exhibition, 18203
- White House china of Lincoln Administration, 15600
- Hitchell site, archeology, 10081
- Ho Koon Chew, relief, 9251
- Ho Song Hyung, *see* Song Hyung Ho.
- Hobbies:
 - hobby shops, bibliography, 17194
 - publications, list, 5411
- Hobbs, Horton H., jr.:
 - crayfishes and their epizootic ostracod and branchiobdellid associates of Mountain Lake, Va., region, 15604
 - new crayfish from Alabama caves, notes on origin of genera *Oreocetes* and *Cambarus* (Decapoda: Astacidae), 17050
 - new genus and species of—
 - entocytherid ostracods, 5305
 - ostracods with key to genus *Dactylocythere*, 6966
- Hobson, Carol J., fall 1966 statistics of public elementary and secondary day schools, 7896
- Hoc tap (North Vietnam periodical):
 - translations, 3945
- Hodge, Paul W., Large Magellanic Cloud, 8681
- Hodges, Ronald W., revision of Nearctic Gelechiidae, 1, Lita group, (Lepidoptera: Gelechioidea), 6949
- Hodgkiss, W. S., environmental testing of contaminant producing materials from integrated life, support systems, 11416
- Hodgson, H. J., progress in range research, 17 western States, 6136
- Hoertel, Frederick W., rhenium and rhenium-tungsten deposition by thermochemical reduction of hexafluorides, 9767
- Hofacker, Gerhard, relief, 9244
- Hoff, Ebbe C., compressed air, diving and submarine medicine, 6628-29
- Hoffman, C. M., quantitative determination of tritium in natural waters, 1130
- Hoffman, Donna R., international symposium on developments in irradiation capsule technology, 8903
- Hofstra, Hilda E. M., relief, 9228
- Hog cholera:
 - eradication, questions and answers, 45
 - eradication program, controls over use of vaccines, GAO review, 9549
 - what you should know about disease, 43
- Hog-lot equipment, 17312
- Hogan, E. K., soil survey, Judith Basin area, Mont., 7136
- Hogs, *see* Swine.
- Hob Tribe, judgment funds, disposition, law, 378
- Hohsi, China, *see* Hosi, China.
- Holists:
 - automatically stopped at low deceleration rate, 5213
 - holisting of mechanically powered vehicles, maritime safety data, 12765
 - telescoping bridge crane hoist, square tubing reduces cost, 17920
- Holder, Shelby H. Jr., marketing and utilization of cotton mill waste, 9390

Holding companies:

- act of 1935, releases, SEC, 3399
- savings and loan holding company act amendments of 1967—
 - hearings, 13849, 16316
 - report, 13796
- see also* Banks and banking—Public utilities.
- Holdridge, Leslie, El Real environmental survey, 8895
- Hole, Erling, costs and returns, commercial dairy farms, northeast and midwest, 16488
- Holeski, Donald E., performance evaluation of turbine over range of Reynolds number, 6871
- Holidays:
 - certain legal holidays to be always on Mondays, hearings, 15167, 16332
 - commercial holidays abroad, list, 9601
 - Federal, consideration, authorization, report, 4601
- Holidays and National Observances Commission, *see* National Observances and Holidays Commission.
- Holland, Robert L., Chicago wholesale food distribution facilities, 7278
- Holland, Spessard L., tributes commemorating 20 years of service, 765
- Hollenbeck, Ronald P.:
 - fluorspar in eastern States, 16853
 - mineral industry of Alabama, 2548
- Hollis, Alaska, elevation effects on rainfall, 16653
- Hollomon, J. Herbert:
 - addresses, etc.—
 - May 16, 1966, 244
 - Nov. 2, 1966, 243
 - Nov. 30, 1966, 4429
 - Dec. 15, 1966, 4452
 - Jan. 9, 1967, 7568
 - Mar. 15, 1967, 7583
 - Mar. 29, 1967, 7584
 - May 25, 1967, 12130
 - June 6, 1967, 12128
 - June 8, 1967, 12129
- Holloway, Harold D., manual of procedures and methods for calculating brine disposal costs, 12645
- Holloway, Paul F., orbital recovery problem, etc., 12969-970
- Holmgren, Arthur H., checklist of vascular plants of intermountain region, 14123
- Holms, Arthur G., designs of experiments as telescoping sequences of blocks for optimum seeking (as alloy development), 14490
- Holothuroides, *see* Sea cucumbers.
- Holsinger, John R., subterranean amphipod genus *Stygonectes* (Gammaridae), 12996
- Holstein cattle, *see* Cattle.
- Holt, E. H., experiments in low energy plasmas, 17942
- Holt Lock and Dam, spillway and navigation conditions, hydraulic model investigation, 4744
- Holyoke, Mass., housing discrimination, report, 4385
- Hom Sheck See, and wife, relief, 9249
- Home canning of fruits and vegetables, 15850
- Home care, *see* Medical care.
- Home economics:
 - canning and food preservation, helpful Government publications, list, 15673
 - family economics review, 3260
 - home and garden bulletins, 31, 1697-98, 4107, 5629-33, 7272, 8831-32, 10171, 11930-931, 13224-226, 14743-744, 15850-855, 17313-319
 - homemakers, publications, list, 8206
 - homemakers, simplified housekeeping directions, job sheets, Spanish edition, 2387
 - program aides, guides—
 - fruits and vegetables, 4133
 - milk, 47
 - sewing by hand, teaching guide, 7286

- Home economics—Continued
 - publications, price list, 17132
 - research reports, 13227, 15856
- Home economists, examination announcement, discontinuance notice, 5932
- Home freezers, *see* Freezers.
- Home Improvement Month, National, *see* National Home Improvement Month.
- Home labor, fair labor standards act, employment of homeworkers in industries, 15819
- Home loans, *see* Loans.
- Home rule, District of Columbia, reorganization of government, recommendations, message from the President, 7599
- Home work in industry, *see* Home labor.
- Homemaker service, *see* Visiting housekeepers.
- Homemaking, *see* Home economics.
- Homeowners, *see* Homes.
- Homes:
 - all-electric, annual bills, 4771.
 - building, know the soil you build on, 11927
 - building outlook, and 1967 economy (remarks), 7570
 - construction, maintenance, community development, publications, price list, 7057
 - fallout protection—
 - home basements, evaluating techniques for improving, 5765
 - homes with basements, handbook, 13425
 - FHA insured loans for improvements, 4904
 - FHA insured mortgages—
 - area trends, 9454, 12504
 - characteristics, trends, 3323
 - State trends, 9455, 12506
 - FHA regulations, amendments—
 - mortgage insurance, 1046, 6252, 11011
 - mortgages, 17757
 - financing home purchases and home improvements, FHA, 16708
 - fire resistant construction, 15849
 - heating, economical and efficient system, description, etc., 15874
 - home health agency manual, revisions, 8687, 18206
 - homemaker-home health aide in personal care, training, 15714
 - homeowners, losses incident to closing military installations, assistance, authorization—
 - hearings, 7796, 9147, 13695, 16395
 - law, 17555
 - reports, 9277, 10564, 10572, 13684, 13688, 16284, 16371
 - improvements, three ways to finance through FHA, 11202
 - mortgage debt, estimated, quarterly, 3244
 - national forest summer home permits terminated, compensation to permittee, hearing, 17586
 - one-family, sales, 1965 annual statistics, 4305
 - supervisor, examination announcement, amdt., 12107
 - trade-ins, how FHA helps, 4901
 - trees, color it green, calendar of activities for arborists, 5676
 - vacation, northern New England, 1966 study, 18116
 - veterans—
 - FHA mortgage insurance, 11201
 - home buying guide, 17286
 - wood products for, selection and use, 7264
- see also* Housing.
- Homes (institutions), *see* Children's homes—Nursing homes.
- Hominy grits, domestic corn (hominy) grits bulletin, 3213
- Homoeoann, Emil, relief, 287, 843
- Homogeneous turbulence, *see* Turbulence.
- Homopolar generators, performance, improved with high reluctance rotor rings, 5153
- Homoptera, general catalogue, 12
 - see also* Leafhoppers.
- Honda, Nobu, plantation timber on Island of Kauai, 16665
- Honduras:
 - amateur alien radio operators, authorization to operate, agreement, 15773
 - background notes, 8707
 - capsule facts for Armed Forces, 10248
 - mineral industry, minerals yearbook chapter, 14331
 - records of Dept. of State, microcopy, pamphlet to accompany—
 - internal affairs, 18064
 - political relations with U.S., 18065
- Honey:
 - comb, U.S. standards for grades, 13893
 - greater wax moth, pest of honeycombs, control, etc., 10169
 - market news, monthly report, 3400
 - production—
 - annual summary, 11878
 - estimates, 1955-64, by number of colonies of bees, yield per colony, etc., by States, 4150
 - statistics, 2939
- Honey bees, *see* Bees.
- Honeycomb structures, *see* Laminated materials.
- Hong Kong:
 - background notes, 5522
 - capsule facts for Armed Forces, 13285
 - cotton textiles, trade agreements, 2920
 - mineral industry, minerals yearbook chapter, 11354-359
 - visit of N. S. Savannah, agreement, 15795
- Honolulu Magnetic Observatory, magnetograms and hourly values, 7552
- Honors (military), *see* Military ceremonies, honors, and salutes.
- Honors (naval), *see* Naval ceremonies, honors, and salutes.
- Hoods (head-piece):
 - protective passenger smoke hood, aviation medical report, 14812
- Hooker, G. Vernon, Air Force scientific research bibliography, 7304
- Hooker, Verno E., stresses in rock outcrops near Atlanta, Ga., 1409
- Hooper, J. R., steady-state and dynamic operating characteristics of simulated 3-loop space Rankine-cycle powerplant, 2603
- Hoopes, Townsend, nomination, hearing, 15149
- HOPE, highlights of personal experiences in Department of Agriculture under President's Youth Opportunity Campaign, 8833
- Hopkins, Edward J., aerodynamic characteristics of cranked leading-edge wing body combinations, 18039
- Hopkins, Ralph L., synthesis of cyclic sulfides, 12823
- Hopper cars, *see* Freight cars.
- Hopper dredges, *see* Dredges.
- Hops:
 - foreign agriculture circulars, 3345
 - industry of United Kingdom, 8047
 - stocks, 8760
- Hord, Jesse, correlations for predicting leakage through closed valves, 17038
- Hord, Richard A., kinetic theory of bimolecular chemical reaction, diffusive drag, and other processes in gas mixture, 6909
- Horizon:
 - Earth's horizon radiance profile—
 - in 15 micron carbon absorption band, 8417
 - location of reference horizons, derivation, etc., of analytical techniques, 9802
 - Infrared, definition, state-of-the-art report, 8416
 - infrared radiance profile variations, 8418
 - star/horizon simulator used to test space guidance system, 11447
- Hornath, Rudolf P., clinical programs for mentally retarded children, 5905

Hornbills, biting lice found on Bucerotidae, 8541

Horne, John E.:
addresses, etc.—
Mar. 28, 1967, 7960
May 12, 1967, 9452
Nov. 13, 1967, 17756
nomination, bearing, 12401

Horus (radio), see Antenna horns.

Horowitz, Sylvia, publications of Northeastern Forest Experiment Station, 11135

Horticultural products, imports, composition, trends, and sources, 16641

Horticulture, ornamental, marketing and other economic information, bibliography, 7885

Horton, James A., agricultural marketing, 2997

Horwath, Elisabetha, relief, 13604

Hose:
assembly, lightweight all-metal, has high flexibility and strength, 6797
copper, flexible, protected by plastic tubing, 8755
entanglements eliminated with rotational fluid coupling, 6754
Federal item identification guides for supply cataloging, supplements, 3288
flexible, and metal bellows predicting frictional loss, method, 9825D
reeled, system for studying vertical distribution of small plankton, evaluation, 14065
rubber, visual inspection guide, Federal standard, 16602

Hossey, Andrew D., industrial noise, guide to its evaluation and control, 17152

Hoshovsky, Alexander, progress of United States Government in scientific and technical communication, 6244

Hsi, China, Hohsi Corridor, deserts, description, 16777

Hospital and Medical Facilities Division:
labor standards for projects, questions and answers, 8634
publications, bibliography, 5459

Hospital apparatus and supplies:
central medical and surgical supply services, manual, 1579
treatment tray and sets prepared in hospital CM & SSS, cards, 1592
equipment planning guide, 15691
packaged disaster hospital—
central sterile supply section, organization, 1577
equipment, assembling instructions, 2824
general stores section, establishing, operating, etc., 2825
materials, catalog and guide for distribution, 13081

Hospital attendants, nursing assistant, examination announcement, 10429

Hospital Corps, Navy, handbook, 5092, 12789

Hospital corpsmen, 3 & 2, Navy training course, 8578

Hospital Insurance Trust Fund, Federal, Board of Trustees, see Board of Trustees of Federal Hospital Insurance Trust Fund.

Hospitalization, see Hospitals.

Hospitalization insurance:
aged persons, social security amendments of 1967—
hearings, 15154, 16409
reports, 14953, 14964
summary, 15053
cost estimates, history, 10082
experience under OASDHI system compared to short-range cost estimates, 7117
extended care facility under medicare, what it means to you, 7125
home health benefits, how medicare helps to pay agency providing, 7128
household workers, social security benefits, information, 7122

Hospitalization insurance—Continued
medicare—
how it helps when entering hospital, 5513
people 65 or over, 5511
social security benefits, information, 10085

Hospitals:
birth and fetal death registration, handbook, 11737
central medical and surgical supply services, manual, 1579
treatment tray and sets prepared in hospital CM & SSS, cards, 1592
children in hospital, planning for, 11758
discharge survey, participating units in pilot study, 2842
District of Columbia, project grants for construction and modernization, hearing, 16405
emergencies, preparing hospital plant, 15688
environmental aspects—
infection control, 8635
safety fundamentals, 15690
supportive departments, 11736
financial assistance not be denied because of certain practices, hearings, 17658
health insurance for the aged, hospital manual, 10084
Hill-Burton and mental retardation construction authorities, conference with Surgeon General, proceedings, 15692
hospital and medical facilities, Hill-Burton program—
equipment planning guide, 15691
progress report, 7070
projects approved for Federal aid, register, 3398, 8633, 18169
series, 1579, 7071, 8634-35, 11736, 15690-692
hospital and medical facilities series, facilities for mentally retarded, 14629
hospital laundry, design and equipment, 7071
indirect cost rates, guide for establishing HEW research grants, etc., 12620
industry wage survey, 15448
medical facilities available to Federal employees injured in performance of duty, 16514
medicare program—
extended care benefits after hospitalization, 2865
how it helps when entering, 5513
military medical benefits act of 1966—
amend. report, 14941
law, 365
report, 664
outpatient services, how much does medicare pay for, 11797
packaged disaster hospital—
assembling equipment, 2824
central sterile supply section, organization, 1577
general stores section, establishing, operating, etc., 2825
laboratory section, 2823
X-ray section, establishing, operating, etc., 2822
partial hospitalization, service of community mental health center, 5430
providers of services under health insurance for the aged, directory, 11794

Public Health Service—
dental internships, 15679
grants, etc., for construction, 1966 funds, 11755
patients discharged, diagnostic and demographic data, statistical summary, 8629
pharmacy residencies, 13087

Public Health Service and community facilities, cooperative activities—
hearings, 12305, 17670
reports, 16230, 16247

INDEX 1967

Hospitals—Continued

- short-stay hospitals, utilization, summary of nonmedical statistics, 17170
- Turkman SSR, quality and number of medical institutions increase steadily, 14224
- under Fair labor standards act, as amended, 1663
- USSR, report of U.S. delegation on systems planning, 2826
- Veterans Administration—
 - administrative research bulletin, 11890
 - psychologists, examination announcement, 12113
 - see also Mental institutions—Naval hospitals—Veterans hospitals—also names of hospitals.
- Hostetler, R. L., ground-based photometric surveillance of passive geodetic satellite, 11413
- Hostetter, Anita, annotated bibliography of publications, 8052
- Hot Springs County, Wyo., Adam Weiss Peak quadrangle, geology, 2360
- Hot Springs National Park, general information, 6980
- Hot Springs quadrangle, S. Dak., geology, 12597
- Hotchkiss, Neil, underwater and floating-leaved plants of United States and Canada, 15267
- Hotels, employees under fair labor standards act, as amended, 7225
- Houghton, Hubert W.:
 - certification requirements for school pupil personnel workers, 9396
 - inventory of counselor education programs, 16504
- Hours of labor:
 - college students under work-study program, amend act—
 - law, 17536
 - reports, 14952, 14959, 15125
 - compensation expenditures and payroll hours—
 - motor passenger transportation industries, 17893
 - pipeline industry, 11310
 - fair labor standards act—
 - handy reference guide, Spanish edition, 5590
 - maximum hours standards—
 - amendments, 7228
 - evaluation and appraisal, 2971
 - overtime pay, computing, highlights, 11895
 - quick look at hours worked, 11898
 - time and pay records, how to keep, 8786
 - Federal civilian firefighters, premium compensation, correction of inequities—
 - law, 450
 - report, 915
 - Government officials and employees, FPM supplement, 3305
 - historical data on hours and earnings, selected references, 8323
 - metropolitan areas of the South, 5071
 - nonagricultural industries, measurement, 16825
 - nonmetropolitan areas of South and North Central regions, 15447
 - output per man-hour indexes—
 - industry, 6612
 - private economy, 11333
 - premium pay provisions for weekend work in 7 continuous-process industries, 5057
 - railroad employees, reduce 16-hour limitation for certain employees, hearings, 4634
 - retail trade, 8302, 11332
 - maximum, study to measure effects of 1961 amendments, 5591
 - seamen on board ship, recommendations of ILO convention, withdrawal of treaty, text, 15064

Hours of labor—Continued

- union—
 - building trades, 14301
 - local-transit operating employees, 14300
 - motortruck drivers and helpers, 15444
 - printing industry, 15445
 - women, maximum, by States—
 - daily, 2976
 - weekly, 8795
- House, Arthur S., communicating by language, speech process, conference proceedings, 7061
- House, Peter W., differential assessment of farmland near cities, experience in Maryland, 17712
- House, T. J., Coast Guard reservist, 3099, 12122
- House Administration Committee, House:
 - calendar, 3477
 - committee prints, 4543, 7748, 15036
 - funds, providing, report, 7680
 - hearings, 739-740, 4544
 - reports, 639-640, 643-644, 2018, 2029-33
 - 4517, 6010, 7674-81, 7719-29, 9103, 9105, 10554, 10582-596, 10605, 12240-242, 12269-271, 12280, 13650-656, 14966, 14968-969, 14979, 16228, 16231, 16253, 16263
- House documents, 515-528, 1996-2012, 4464-92, 5975-6001, 7593-7613, 9048-78, 10496-523, 12191-209, 13549-559, 14922-929, 16150-163, 17565-570
- House files, see Files.
- House of Representatives:
 - appropriations, 1968, legislative—
 - hearings, 10633
 - law, 13537
 - reports, 10617, 13672, 13813
 - calendars and history of legislation, 3469
 - candidates, campaign expenditures 1966, report of special committee to investigate, 4516
 - contested election—
 - Lowe vs. Thompson, dismissal, etc., report, 12270
 - Mackay vs. Blackburn, report, 12271
 - delegation to conference of Mexico-United States Interparliamentary Group, report, 13704
 - delegation to session of Intergovernmental Maritime Consultative Organization, report, 16234
 - disbursements, detailed statements, 7748, 15036
 - employ additional Capitol police, report, 10584
 - history, pictorial story, 517
 - journal, 89th Cong. 2d sess., 7591
 - legislative employees, training opportunities, report, 16232
 - majority and minority rooms, printing operations, etc., exempt from D.C. sales and use taxes, report, 9087
- Members—
 - election, redistricting standards, establish, reports, 9121, 9126, 17573
 - electric typewriters furnished to, increase number—
 - law, 17561
 - report, 14969
 - four-year terms, hearings, 12417
 - stationary allowance, additional, report, 7676
 - telephone service outside D.C., payment from contingent fund, report, 10583
 - transportation expenses, provide reimbursement—
 - law, 17540
 - reports, 14968, 15138
 - United States Code annotated, or Federal Code annotated, distribution to, provide, report, 16231
- officers and employees, training under Government employees' training act, hearing, 16431

- House of Representatives—Continued
 payment of compensation to committee staff members, report, 7681
 Press Gallery superintendents, Official Reporters of Debates, etc., compensation, report, 2033
 Rayburn Building, construction and related costs, House Office Building Commission, Architect of Capitol, GAO examination, 8131, 9182
 rule 11, par. 26, 6039
 rules, amend, report, 9123
 rules and manual, 7593
 telephone directory, 7592
 House Office Building Commission, construction and related costs of Rayburn House Office Building, GAO examination, 8131, 9182
 House reports:
 private bills, 529-619, 4493-97, 7614-62, 9079-80, 10524-552, 12210-239, 13560-626, 14931, 16164-227, 17571-582
 public bills, 620-706, 2013-36, 4498-4519, 6002-24, 7663-7731, 9081-9137, 10553-623, 12240-285, 13627-690, 14932-15009, 16228-300, 17571-582
 House Resolution 1, Select Committee pursuant to, House:
 hearings, 6038
 investigations and studies, expenses, report, 6010
 report, 7664
 House trailers, *see* Trailers.
 House Where Lincoln Died, 11613
 Household appliances:
 Federal Item Identification guides for supply cataloging, supplements, 3292
 ownership and purchases, 1960-67, special report, 14832
 recent purchases and expected expenditures, report of U.S. households, 16027
 selected, production and trade, 1963-65, free world, 7573
 Household goods:
 and commercial furnishing and appliances, Federal Item Identification guides for supply cataloging, supplements, 3292
 consumer buying intentions, 1878, 5884
 electric housewares, current industrial reports, 4326, 15993
 shipments overseas, charges for accessorial services, GAO review, 11152
 storage, erroneous payments to members of Army—
 law, 486
 report, 4589
 uncrated, traffic regulation, 4194
 volume movements from overseas to continental U.S., potential savings by, Defense Dept., GAO report, 8138
see also Furniture.
 Household workers, *see* Servants.
 Households:
 automobiles and selected household durables, ownership and purchases, 1960-67, special report, 14832
 by State, population estimates, 7486
 by type, 1966, population characteristics, 16008
 cars and household durables, recent purchases and expected expenditures, 16027
 food consumption in United States, spring 1965, preliminary report, 15826
 insecticides, guide, 10162
 population characteristics, 7485
 projections of number, 1967-85 population estimates, 5882
 sample survey, Atlántida case study—
 content and design of household surveys, Spanish edition, 5898
 distribution and receipt of materials, 1885
 editing and coding, 4360
 field operations, instruction manuals, 182
 Households—Continued
 sample survey, Atlántida case study—
 continued
 population data controls, Spanish edition, 5899
 survey objectives and description of country, Spanish edition, 7496
 tabulation process, 7497
 workbook for case study, 10387
 with television sets in U.S., current housing reports, 7477
 with television sets, UHF and color, in selected metropolitan areas, current housing report, 15989
 House-keeping, *see* Home economics.
 Houser, Leroy S., national register of shellfish production areas, 7078
 Houses:
 FHA and VA acquired residential properties, savings possible by consolidating management, GAO report, 11158
 insulating from aircraft noise, study, 14188
 newly constructed, need for strengthened procedures to reduce number of extra final inspections, FHA, GAO report, 11148
 residential financing, impact of 1966 monetary policy (remarks), 7999
 residential mortgage market, and monetary policy, 11055
 vacation, building plans, 8837
see also Farm buildings—Farmhouses—
 Household goods—Housing.
 Housing:
 act of 1949 urban renewal programs authorized by act, operations report, 3824
 act of 1964, amend—
 law, 14910
 reports, 12360, 14945
 authorized, construction reports, 3135, 8937, 14818
 summary statistics, 3136
 basic information—
 Ethiopia, 6417
 Ghana, 6418
 Ivory Coast, 6419
 Jordan, 6420
 Liberia, 6421
 books, list, 4905
 Brewerville, Liberia, potential savings through constructing rather than leasing, USIA, GAO report, 6379
 census, 1960, quality control of field enumeration, 17443
 census, 1970, plans, hearings, 13711
 census publications, price list, 7056
 code of Federal regulations, 11037
 codes and their enforcement in 6 Concoctent cities, 14852
 college housing loans, savings through more frequent payments, GAO report, 17814
 consumer buying intentions, 1878, 5884
 current housing reports, 3168
 current reports—
 housing characteristics, 7477, 15989
 housing vacancies, 1872-73, 7476, 12066, 15988
 dealers and individuals subject to certain sections of title I, National housing act, list, 11010
 demonstration cities and metropolitan development act of 1966—
 law, 465
 law, summary, section-by-section analysis, legislative history, and conference report, 725
 discrimination in sale, etc., eliminate—
 message from the President, 12199
 report, 4498
 discrimination in Springfield Holyoke-Chicopee metropolitan area, report, 4385

INDEX 1967

Housing—Continued

elderly people—
 FHA mortgage insurance, 6427
 health services, Dexter Manor story, 5456
 retirement housing, western style (address), 17843
 experimental projects, Housing and Urban Development Dept., list, 6434
 fair housing act of 1967, hearings, 17641
 family—
 migrant agricultural workers, guide, 11924
 Navy design manual, 2764, 17066
 Federal programs—
 progress report, 9309
 study, expenses, reports, 4594, 4625
 FHA multifamily projects, handbook, 2245
 FHA multiple dwelling projects, investigation—
 hearings, 2118, 9314
 report, 12392
 FHIA program, experimental, 6426
 films, filmstrips, slides, and audio tapes, bibliography, 11204
 financing condominiums through FHIA, 2384, 4903
 good farm worker housing is good farm business, 2194
 handbook, improved farm worker housing guide, 17728
 Hawaii, 1965-70, forecast of requirements, 16664
 housing and planning references (periodical), 3402
 housing and urban development act—
 amend and extend, hearings, 10641
 beautification aids for urban areas, 6415
 housing and urban development notes (periodical), 3403
 housing and urban renewal in Nashville-Davidson County metropolitan area, report, 12099
 insurable loans, digest, 6433
 intern program planned for accelerated professional growth and advancement, 4899
 laws, compilation, 12290
 legislation for 1967, proposals, hearings, 13847
 print additional copies, report, 15139
 living units, minimum property standards, interim revision, 6257
 loans guaranteed by VA in Illinois, potential savings by revising procedures relating to default, GAO report, 11151
 low and moderate income groups, new programs, 8193
 low cost, minimum property standards, 1137, 8201
 low-income families, leasing program administered by local authorities, 2382, 11199
 maintenance employees at region 6 housing authorities, HUD, GAO review, 2349
 measuring quality of housing, appraisal of census statistics and methods, 13413
 mid-decade census, take in 1975, etc., hearings, 10666
 middle-aged and older people, patterns of living, 14634
 military, family—
 appropriations, 1967, law, 457
 appropriations, 1968, hearings, 15016, 16305, 17637
 telephone service, methods used to provide, Defense Dept., GAO review, 6383
 minimum property standards—
 elderly and handicapped persons, 9582
 multifamily, 11014-15
 mortgage credit, Federal policies, hearings, 15151
 national housing act, amend—
 hearings, 13849, 15019, 16316
 reports, 4500, 4502, 13796

Housing—Continued

national housing act and other laws, correct obsolete references—
 law, 10488
 reports, 6085, 9137
 nonprofit-sponsored, for open occupancy, 8202
 owner occupied, imputed income, 7129
 public, low-rent, local authorities participating in PHA programs, 3520
 publications available from Division of International Affairs, HUD, 8205
 racial discrimination (statement), 13057
 rehabilitation, HUD programs, report, 17643
 rent subsidy, large-family, demonstration program, report, 5295
 rent supplement assistance, FHIA regulations, 1048
 rent supplement proposals, guide for sponsors and housing owners, 6424, 11200
 rental & co-op—
 families of low and moderate income, FHA mortgage insurance, 12624
 rural areas, loans, 10194
 rental housing, FHA program, what is it, how it works, 6423
 rural, Farmers Home Administration loans, 10188
 sales, construction reports, 4305
 sales of new one-family homes, construction reports, 3138
 savings and home financing, source book, 1966 data, 14023
 senior citizens—
 loan program, information for applicants, 16712
 loans to nonprofit corporations, 2383
 Nation's Capital, program, 11593
 starts, construction reports, 3137
 statistics, monthly, 3404
 tenants' rights, legal tools for better housing, report on conference, 14277
 urban market analysis, 11205
 urban renewal directory, 4008, 15725
 urban renewal project characteristics, 15726
 vacant units in U.S., 1872-73, 7476, 12066, 15988
 Veterans Administration policy, loan guaranty and direct loan programs, hearings, 12319
 Washington, D.C., area, Federal employee's guide, 4906
see also Barracks and quarters.
 Housing and Home Finance Agency, general records, preliminary inventory, 14507
 Housing and Urban Development Department:
 aids for fallout shelters, 12625
 annual report, 8196
 appropriations, 1967, supplemental, hearings, 2040
 appropriations, 1968—
 hearings, 15147
 reports, 10600, 15131
 consumer bulletins, 2384, 4901, 4903-4, 6422-28, 8197, 11199-203, 12623-624, 12626, 16708, 17838
 Consumer Relations Services, newsletter, 3146
 Division of International Affairs, available publications on housing, building, and planning, 8205
 establishment, correct obsolete references in laws—
 law, 10488
 reports, 6085, 9137
 Federal beautification and open-space land programs, questions and answers, 4902
 flood insurance program, establish, hearings, 12400
 General Counsel, nomination of Thomas C. McGrath, jr., hearing, 6092
 honor awards for design excellence, 16710

Housing and Urban Development Department—Continued
 housing intern program, brief description of main features, 4899
 HUD at a glance, general information, 6429
 HUD IP—(series), 2380-84, 4900-4, 6422-30, 8197, 11200-203, 12623-626, 16708, 17835-838
 HUD-MP (series), 2385, 4905-7, 6431-32, 8198-8200, 9580, 11204, 12627, 14187, 15317, 16709-710, 17839
 HUD-PG—(series), 1137, 4908-9, 6433, 8201-3, 9582
 HUD SP MP series, 15317
 HUD TS—(series), 6434-35, 8204, 11205-207, 14188, 16711, 17840
 HUD, what it is, what it does, 17836
 job where the action is, 4907
 maintenance employment classifications and wage rates, region 6, GAO review, 2349
 mass transportation program, emergency provisions, temporary extension—law, 13522
 reports, 12388, 13634
 meeting with officials, hearings, 9150
 opportunities for reducing Federal contributions by maximizing investment of excess funds held by local housing authorities, GAO report, 6376
 past, present and future report (remarks), 9581
 press releases, 3735
 publications, list, 6431
 rehabilitation programs for existing housing, report, 17643
 selected publications, list, 8199
 strengthening community services in low-income neighborhoods, concerted services with HEW, task force report, 17840
 technical studies and experimental housing projects, list, 6434
 urban transportation programs help urbanites, 17837
 Housing Assistance Administration:
 audit report, 5997
 college housing loans, savings through more frequent payments, GAO report, 17814
 financial statements, 1966, GAO examination, 4875
 Housing Insurance, *see* Mortgage Insurance.
 Housley, Mrs. A. E., relief 7621, 10477, 10706
 Houston, Billy J., methods of reducing size and number of voids on formed concrete surfaces, 16529
 Houston, Sam, Fort, *see* Sam Houston, Fort.
 Houston, Tex., area wage survey, 16819
 Houston County, Ga., soil survey report, 14656
 Hunt, Jerry L., contribution toward bibliography on brant, 16634
 Hovenweep National Monument, general information, 15612
 Hovering:
 performance characteristics of rotor with and without blade-pitch servo-control flaps, 5260
 V-STOL height control requirements under visual conditions, 11524
 How foreign policy is made, 2881
 How our laws are made, 10520
 reprinting, reports, 10589, 10788
 How to compute injury rates, 9701
 How to investigate accidents, 9712
 How to train workers on the job, 5718
 How to use USDA grades in buying food, 5671
 Howard, Dean D., microwave monitoring of sea water contamination of Navy fuel oils, 15637
 Howard, James C., application of computers to formulation of problems in curvilinear coordinate systems, 9906

Howard Hanson Dam, outlet works and stilling basin, hydraulic model investigation, 2201
 Howe, Harold, II:
 addresses—
 June 5, 1966, 996
 June 14, 1966, 998
 June 18, 1966, 1004
 June 21, 1966, 1015
 July 14, 1966, 9403
 Aug. 9, 1966, 9408
 Aug. 25, 1966, 9412
 Sept. 29, 1966, 9407
 Oct. 14, 1966, 9404
 Oct. 25, 1966, 7892
 Nov. 18, 1966, 2192
 Nov. 30, 1966, 2188
 Dec. 6, 1966, 2179
 Feb. 13, 1967, 6177
 Feb. 23, 1967, 6179
 Mar. 1, 1967, 7903, 7918
 Mar. 4, 1967, 6190
 Mar. 9, 1967, 7902
 Mar. 19, 1967, 7900
 May 22, 1967, 10935
 June 11, 1967, 12463
 June 13, 1967, 12462
 July 10, 1967, 12464
 July 21, 1967, 13957
 Aug. 7, 1967, 15210
 Aug. 10, 1967, 13965
 Aug. 22, 1967, 15214
 Sept. 22, 1967, 16512
 Sept. 26, 1967, 16505
 Oct. 24, 1967, 17716
 education, everybody's business, aspects of contemporary scene, 6180
 human frontier, remarks on equality in education, 1006
 Howell, John R., halting bubbles in water from artificial nucleation sites of known geometry and size, 14491
 Howler, Roland O., freeze-dry preservation of biological specimens, 6950
 Howitzers, rigging for alldrop, technical manual, 15950
 Hoy, Fnn Wat, relief, 337
 Hoyle, Bernadette W., information services in public welfare agencies, 10134
 Hoyt, Charles D., mineral industry of Bolivia, 12798
 Hruschka, Howard W.:
 sprout prevention in potatoes, 17301
 storage and shelf life of packaged rhubarb, 5645
 Hsia, Tao-tai, guide to selected legal sources of mainland China, 11338
 Hualapai Indian Reservation, leasing of Indian land for 99-year term, authorize, report, 12244
 Huang, K. P., thrust augmentation characteristics of jet ejectors, 10290
 Hubbell Trading Post National Historic Site, general information, 18091
 Huber, N. King, Cenozoic volcanic rocks of Devils Postpile quadrangle, eastern Sierra Nevada, Calif., 14170
 Huber, Norman W., soil survey of Red Willow County, Nebr., 11809
 Huber, Paul W., deduction of reentry plasma properties about manned orbital spacecraft from radio signal attenuation data, 14494
 Huckleberries, *see* Blueberries.
 HUD, *see* Housing and Urban Development Department.
 Huddle, Franklin P., contributions of science and technology to Federal crime insurance, 16437
 Huddleston, Jerry S., soil survey of Tate County, Miss., 11811
 Hudelson, John C., screw-seal performance in vacuum environment, 6885
 Hudson, C. Michael, investigation of fatigue crack growth in Ti-6Al-4V (duplex annealed) specimens having various widths, 8494

INDEX 1967

- Hudson, Catheryn Seckler, *see* Seckler-Hudson, Catheryn.
- Hudson, John A., navigator, 3612
- Hudson, Wayne R., effect of tensile stress on current-carrying capacity of commercial superconductors, 2719
- Hudson Bay :
sailing directions, 13020
surface water quality of basin, 2375
- Hudson Strait, oceanography, 10445
- Huerta, Ramiro Velasquez, *see* Velasquez Huerta, Ramiro.
- Huertado, Felix P., Hurtado Perez, Felix.
- Huffman, Claude, determination of gold in geologic materials by solvent extraction and atomic-absorption spectrometry, 16688
- Hughes, B. C., Project Pre-Schooner II, Bruneau Plateau, Idaho, technical director's summary report, 5781
- Hughes, G. H., techniques used to measure evaporation from Salton Sea, 9572
- Hughes, Harry M., manipulating dates and time lapses in computerized records system, 72
- Hughes, Kathryn S., storing food at home, aid to extension and village workers in many countries, 14022
- Hughes, Leon S., reconnaissance of chemical quality of surface waters of Neches River basin, Tex., 17830
- Hughes, Patrick E., mariners weather log (periodical), 3541
- Hughes, R. E., naval weather service computer products manual, 15618
- Hui Yoo Young, *see* Yoo Young Hui.
- Huil, E. W. Seabrook, atom and the ocean, 15978
- Hull, Melvin K., evaluating winds aloft by simplified field technique, 4838
- Hulls (ships) :
structures—
behaviour, survey of recent British work, 5488
residual strains and displacements within plastic zone ahead of a crack, 5489
testing basin of Navy, means of experimentation and research, France, 11258
- Hulsing, Harry :
measurement of peak discharge at dams by indirect method, 9576
velocity-head coefficients in open channels, 1133
- Human engineering :
aerospace systems and equipment, design criteria, military standard, 15191
critical tracking task, theory and experiments with first-order divergent controlled element, 1426
human factors research and development, 12th annual conference, proceedings, 4219
weather forecasting, human processing of information, 8862
- Human factors, *see* Man-machine systems.
- Human factors in engineering design, *see* Human engineering.
- Human frontier, remarks on equality in education, 1606
- Human race, *see* Man.
- Human relations, future international meetings, world list, 4074
- Human resources, *see* Ability.
- Human rights, *see* Civil rights.
- Human Rights Committee, *see* United States Committee on Human Rights.
- Human Rights Year, International, *see* International Human Rights Year.
- Human water exchange in space suits and capsules, 12863
- Humanities :
in defense of nonpragmatic curricula studies (address), 7900
- Humanities—Continued
national defense education act, loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
- Humanities, National Endowment for the, *see* National Endowment for the Humanities.
- Humes, Arthur G. :
new cyclopoid copepods associated with—
alecyonarian coral, 6959
coral *Psammocora contigua* (Esper) in Madagascar, 6965
- Humes, Glenn D., relief, 254, 799
- Humidity :
sensor, fluidic oscillator used for measuring, 8473
sound absorption in air versus humidity and temperature, 6707
- Hummel, Don :
addresses, etc.—
Feb. 15, 1967, 6436
Sept. 26, 1967, 16715
- Humphrey, Hubert H. :
addresses, etc.—
Oct. 11, 1966, 5446
Nov. 16, 1966, 1961
Jan. 19, 1967, 4455
Jan. 26, 1967, 9580
Feb. 7, 1967, 14209
Mar. 14, 1967, 17839
Aug. 7 and 8, 1967, 15317
one million dropouts, Sputnik of 1967, 17721
- Humphrey, Maurice E., soil survey of Caldwell County, Ky., 8695
- Humphrey, Thomas F., paper presented Jan. 1967, 5478
- Humphreys, Clark M., sensible and latent heat losses from occupants of survival shelters, 7092
- Hung-ch'i (periodical) :
translations, 3946
- Hungarian Meteorological Society, 39th plenary session, work reported, 14220
- Hungary :
Academy of Sciences, secretarial report of Department of Biological Sciences, 1269
catalysis research, current status, 16739
chemical processing, role in national economy, 1233
claims of inhabitants, payment, hearing, 732
computer center, operation of Miuszk-22 digital computer described, 15355
cooling-lubricating fluids for metal-working, development, research results, 14232
data processing programs, 15375
doctor and candidates—
degrees awarded, 1232, 14218
lists, 1301, 9632
electron spin resonance research conducted in field of macromolecular chemistry, report, 11256
Hungarian journalist reports on war in Vietnam, 4988
industrial radiation chemistry, 14266
international geodetic conference, 6545
large scale maps for city, construction and technical planning, requirements, 4981
meteorology, translation, 15417
mineral industry, minerals yearbook chapter, 5111
plant-protecting agent industry and research, world status, with special reference to Hungarian conditions, 16750
scientists and scientific organizations, news, 2455
solid-state physics, new developments, 16751
study mission report, 7809
technical mechanical research status surveyed, 15415
tubes, semiconductors, and selenium rectifiers production conference, 9634

Hungary—Continued
 USSR boundary, study, 17224
 water resources and their conservation, 12705
 Hunger:
 America—
 hunger and malnutrition, hearings, 16428
 provide nutritious food on emergency basis to any individual to prevent human suffering—
 hearing, 17587
 report, 15080
 India, relieve victims, U.S. participation—
 hearings, 7792, 9138
 law, 9037
 reports, 7783, 9083, 9085
 race between hunger and hope, hunger is ahead, picture story, 17331
 threat of world hunger, greatest challenge facing mankind (address), 23
 war on hunger, export potential for U.S. agribusiness (remarks), 16111
 war on hunger, monthly news report, 8229
 Huna, Joseph B., bibliography on blood chemistry of fishes, 17783
 Hunsaker, Jerome C.:
 reappointment—
 law, 12169
 reports, 10605, 10741
 Hunt, Noel C., III, immersion diuresis, 15896
 Hunter, A. R., photoelasto-plastic method to study stress distributions in vicinity of simulated crack, 8406
 Hunter, H. Foster, relief, 253, 836
 Hunter, J. Scott, academic & financial status of graduate students, spring 1965, 17715
 Hunting:
 migratory bird regulations, 1080, 14061, 16623
 more hunting space, ASCS program aid, 7292
 Hunting Island Beach:
 hurricane survey, engineer report—
 departmental edition, 9418
 document edition, 9072
 Huntington, N.Y., population, special census of town, 16022
 Huntington, W. Va., wholesale food distribution facilities, 4
 Hurdle, Burton G., monostatic acoustic scattering from ocean volume, 13034
 Hurlburt, Evelyn M.:
 radiolotope experiments in high school biology, 5797
 radiolotope techniques for instruction in biological sciences, 8910
 Hurley, Evelyn M., survey of finance companies, 11060
 Hurley, William J., relief, 7635
 Hurley West quadrangle, N. Mex., geology, 12601
 Huron, Lake, small craft, gale and whole gale warning facilities chart, 14723
 Hurricanes:
 administrative leave for Federal employees, hearing, 748
 Betsy, nurses serve in disaster, 18168
 greatest storm on earth, 17738
 Project Stormfury, ESSA fact sheet, 16538
 safety rules, 16534
 surveys, engineer reports—
 Alabama Coast—
 departmental edition, 10948
 document edition, 10507
 Beaufort Inlet to Bogue Inlet, N.C.—
 departmental edition, 2203
 document edition, 1996
 Bogue Inlet to Moore Inlet, N.C.—
 departmental edition, 2204
 document edition, 1997
 Cape Fear to North Carolina-South Carolina State line—
 departmental edition, 2205
 document edition, 2005

Hurricanes—Continued
 surveys, engineer reports—continued
 Edisto and Hunting Island Beaches, S.C.—
 departmental edition, 9418
 document edition, 9072
 Mississippi coast—
 departmental edition, 10957
 document edition, 10506
 Outer Banks between Ocracoke Inlet and Beaufort Inlet, N.C.—
 departmental edition, 2215
 document edition, 2004
 Hurtado Perez, Felix, relief, 552
 Husack, Ralph, effect of gamma radiation on reaction of anthracite with fluorine and chlorine, 2585
 Husbands and wives:
 budgeting for young couple, guide, 17318
 District of Columbia motor vehicle or trailer registration, facilitate addition of name of spouse of owner—
 law, 12178
 reports, 12382, 13640
 food for young couple, 15852
 married couples in Peace Corps, 5379
 mentally retarded or physically handicapped spouses of members of Armed Forces, use of private facilities, report, 14941
 Hushy, David M., oceanographic observations, North Atlantic Ocean Station Charlie, 10444
 Huss, Ralph E.:
 records of Dept. of State relating to—
 Belgium and other states, 18069
 internal affairs of Honduras, 18064
 political relations between U.S. and Belgium, 18068
 Huston, James A., sinews of war, Army logistics, 1397
 Hutchison, John E., long term forecasts of supply and demand of agricultural and livestock products in Venezuela, 12456
 Hutkin, I. J., vapor gap osmotic distillation process, 2394
 Huyck, Earl E., health, education, and welfare indicators, 3394
 Hwa Hwang Duk, see Hwang Duk Hwa.
 Hwang Duk Hwa, relief, 10545, 13519, 13756
 Hybrid solid state switch replaces motor-driven power switch, 12896
 Hybridization:
 esocids, interspecific hybridization, hatching success, pattern development, and fertility of F₁ hybrids, 12551
 natural hybrids among pond, loblolly, and pitch pines, 14137
 Pinus contorta X banksiana, performance, 9533
 Hyde, Rosel H., nomination, hearings, 6094
 Hydrates:
 beryllium sulfate, low-temperature thermodynamic properties, 9777
 multivalent cations, new class of molten salt mixtures, 9794
 reaction kinetics, studies, 6447
 Hydration:
 hyperhydration and parotid flow in man, 7349
 thermodynamics and kinetics, 6446
 Hydraulic engineering, circulars, 14640
 Hydraulic fluids, see Fluids.
 Hydraulic machinery, prop, lightweight recoverable, design and development, 17913
 Hydraulic mine filling, vibratory compaction of backfill, 9774
 Hydraulic turbines, see Turbines.
 Hydraulics:
 acoustic velocity meter, report on system development and testing, 14167
 applications of hydraulics, 9576, 11184-185, 14176
 high-energy-rate magnetohydraulic metal forming system, 11463
 hydraulically controlled flexible arm can bend in any direction, 6788

INDEX 1967

Hydraulics—Continued

- model investigations—
 - Arkansas River—
 - lock and dam no. 4, navigation conditions, 2221
 - navigation entrance, 17737
 - project, low lift locks, filling and emptying systems, 4743
 - Belleville Locks and Dam, Ohio River, navigation conditions, 1030
 - Burns Waterway Harbor, Ind., stability of proposed breakwater, 7933
 - Columbia Lock and Dam, Onachita River, navigation conditions, 6212
 - Eau Galle Reservoir, Eau Galle River, 10960
 - Gering Valley project, drop structure, 6213
 - Hilo Harbor tsunami barrier, 2220, 16526
 - Holt Lock and Dam, Warrior River, Ala., spillway and navigation conditions, 4744
 - hopper dredge dragheads, 6211
 - Howard Hanson Dam, Green River, Wash., outlet works and stilling basin, 2201
 - Little Sioux River, Iowa, control structure, 7931
 - Lower Monumental Dam, Snake River, Wash., spillway and stilling basin, 10949
 - McAlpine Locks and Dam, navigation conditions, 6210
 - Millers Ferry Lock and Dam, Alabama River, navigation conditions, 10961
 - Turtle Creek, Pa., channel improvement, 7932
 - Willow Springs and Sag Junction diversions, Chicago Sanitary and Ship Canal, 10962
 - Morrow Point Dam, hydraulic model studies, 13103
 - physiographic and hydraulic studies (series), 17823
 - potassium performance during condensation in single tubes, 15506
 - quick-response servo amplifies small hydraulic pressure differences, 6696
 - river hydraulics (series), 1133
 - roughness characteristics of natural channels, 17833
 - service brake systems for automotive vehicles, Federal standard, 6321
- Hydrazine:**
- acetylene black in hydrazine, study of thixotropic suspensions, 11679
 - acute toxicity in mice, toxicologic studies, 4183
 - effects on—
 - fat transport as affected by blood glucose concentration, 65
 - liver glycogen, arterial glucose, lactate, pyruvate and acid-base balance in anesthetized dog, 7359
 - renal blood flow, preliminary study, 11967
 - gas chromatographic column enables analysis of propellant hydrazines, 2681
 - in-vivo inactivation of antibemophilic globulin, relation to fibrinolytic mechanism, 14771
 - tissue monoamine oxidase inhibitions by convulsogenic doses, 4181
 - TmPAH depressed by exposure to, effect of sodium acetate, 4177
 - trace amounts in aqueous solutions accurately determined by gas chromatography, 15550
- Hydrazones, tissue monoamine oxidase inhibitions by convulsogenic doses, 4181**
- Hydrides, see hydrides by names, e.g., Titanium hydride.**
- Hydrobiology, see Marine biology.**

Hydrocarbons:

- aromatic—
 - distillable, identification from coal tar, 12795
 - spark-source mass spectra, using spinning electrode, 11380
 - chlorinated, pesticides, identification and measurement in surface waters, 4800
 - fuels, flammability properties, 17094
 - higher order synthesis, on hot tungsten filaments, 8504
 - lubricants, temperature limitations in ball bearings, 15576
- Hydrocortisone:**
- effects of 9- α -fluorohydrocortisone and venous occlusive cuffs on orthostatic deconditioning of prolonged bed rest, 7365
 - rapid transfer of cortisol from blood-stream to parotid fluid, 11962
- Hydrodynamics:**
- application of Lyapunov stability theory to nonlinear problems, 16915
 - journal bearings, operation in sodium to 800° F, etc., 9901
 - see also Magnetohydrodynamics.
- Hydroelectric power, see Electricity.**
- Hydroelectric power plants, see Electric power plants.**
- Hydrogen:**
- atomic, metastable state, comparison of Gryzinski and Born cross sections, 9874
 - ball-bearing retainer materials in 60° R (33°K) gas at 0.8 million DN value, film-transfer studies, 2709
 - chemisorbed on platinum electrode, interaction of carbon dioxide, errata, 8586
 - cryogenic, flowing turbulently in straight and curved tubes at high heat fluxes, heat transfer, 6713
 - embrittlement of ultrahigh-strength steels, study to minimize, 11470
 - gaseous—
 - and liquid-oxygen combustors, chugging instability, 11547
 - flow system and application to high-frequency combustion instability, 12953
 - rocket engine performance at stagnation temperatures up to 200,000 R, 6719
 - helium pressurant requirements for liquid-hydrogen expulsion using submerged gas injection, 14492
 - hydrogen slush-hydrogen gel utilization as fuels for space vehicles, 18006
 - interstitial, of palladium, low-temperature specific heat, 1548
 - liquid—
 - densitometer utilizes open-ended microwave cavity, 11452
 - normal gravity self-pressurization in spherical tankage, 18019
 - storage and transport, USSR study, 15403
 - turbine type flowmeters, performance, 2728
 - use in determining wear and friction of polymer laminates, 2693
 - liquid-oxygen-gaseous hydrogen rocket combustion at supercritical chamber pressures, 17001
 - maser as highly stable frequency reference, 11475
 - molecular, estimation of electron impact excitation cross sections, 11546
 - oxidizer-rich oxygen-hydrogen combustion characteristics, preliminary investigation, 2708
 - plasma, superheated, using induction heating of cold plasma and DC plasma enhancement, production, 5166
 - purification train produces ultrapure gas, 9842
 - quantum mechanical calculations of 2d virial coefficients, 8527

Hydrogen—Continued

saturated liquid parahydrogen charted for important temperature range, thermodynamic properties, 17928
storage vessel on moon, thermal characteristics, 5259
supersonic mixing of hydrogen and air, 9807

Hydrogen cyanide from reaction of coal with ammonia, 14349

Hydrogen fluoride:

ordinary and deuterated gaseous, and their equimolar mixture, thermal conductivities, 12961
separation of HF from HF-SiF₄-H₂O mixtures, 2581

Hydrogenation, distillate fuels, studies, 12817

Hydrogeology, geohydrology of Souris River Valley in vicinity of Minot, N. Dak., 14184

Hydrographic Organization, International, see International Hydrographic Organization.

Hydrography, hydrographic and oceanographic systems for training, 11670

Hydrologic Laboratory, Geological Survey, rock and soil materials, hydrologic and physical properties analyzed, summary, 8182

Hydrologists, career professional positions, examination announcement, amdt., 5920

Hydrology:

agricultural, evaluation by monolith lysimeters, 5687

Alaska earthquake of 1964—
effects on hydrologic regimen (series), 1122-23, 11177-178

hydrologic effects outside Alaska, 11177

Alaska, south-central, 1964 earthquake effect on hydrology, 1122

Anchorage area, Alaska 1964 earthquake effect on hydrology, 1123

annual growth of suppressed chestnut oak and red maple, basis for hydrologic inference, 11171

cavernous limestones of Mammoth Cave area, Ky., 1132

contributions to hydrology—
Africa and Mediterranean region (series), 11189

Asia and Oceania (series), 11187

United States (series), 2376, 4893, 8177, 8181-83, 11190, 12618, 14181-182, 16704, 17830-831

Cornfield Wash area, Sandoval County, N. Mex., 6412

Eddy County, N. Mex., between Lake McMillan and Carlsbad Springs, 8178

Geological Survey research, 2372, 4891, 11182, 14175

Gnam, Mariana Islands (series), 119

hydrologic cycle, 16535

hydrologic data, computer systems for reduction and analysis, 13197

hydrologic data, Oak Ridge area, Tenn., 16704

hydrologic performance of floodwater retarding structures during Colorado storms of June 16-17, 1965, report, 14651

hydrologic properties of earth materials (series), 16701

hydrological factors, effects on agriculture, USSR studies, 4938

hydrology and ecology, Pine Barrens, New Jersey (series), 6408

Kern River alluvial-fan area, ground water, 1116

Lake Bonneville, Weber Delta district, including Ogden, Utah, 6400

Lompoc subarea, Santa Ynez River basin, Santa Barbara County, Calif., 1957-62 inventory, 1117

Hydrology—Continued

meteorology and hydrology (USSR periodical), translations, 1278, 1339, 9642

National Reactor Testing Station area, Idaho, 16690

northeastern Nassau County, Long Island, N.Y., 4894

Pahrump Valley, Nev.-Calif., valley-fill and carbonate-rock reservoirs, 14178

rock and soil materials, hydrologic and physical properties as analyzed 1948-60, Hydrologic Laboratory, Geological Survey, 8182

SCS national engineering handbook, 10087

surface water, California coastal basins between San Francisco Bay and Eel River, 15315

Swatara Creek basin of southeastern Pennsylvania, evaluation of hydrologic system, 16703

theoretical papers in hydrologic and geomorphic sciences (series), 2366

USSR literature for 1965, list, 1174

USSR studies, 6564

vegetation and hydrologic phenomena (series), 11171

see also Water.

Hydrometeorology:

Bulgaria, hydrometeorological service tasks discussed at 9th Congress of Bulgarian Communist Party, 11253

hydrometeorological report, 5594

hydrometeorological services of socialist countries of Europe, conference of directors, USSR study, 1179

noise-rejection coding of digital teletype communications in complex automatic hydrometeorological telemetering systems, USSR study, 8275

numerical weather forecasting methods used in hydrometeorological service, USSR study, 1184

USSR, hydrometeorological services news, 1175

Hydrooptics, visual resolution underwater, 14317

Hydrospace, radioisotope applications, 1776-77, 5760-62

Hydrostatics:

force used to handle outslized, heavy objects, 12897

porous mandrels provide uniform deformation in hydrostatic powder metallurgy, 12916

pressure, large-diameter ring-stiffened cylinder subjected to, test, 1479

Hydroxyl, radicals, reaction rates with carbon monoxide, 16997

Hygiene:

city planning problems, USSR conference, 5002

contributions of scientists in hygiene, physiology, and scientific organization of labor, USSR study, 16767

industrial, publications, price list, 17135

labor hygiene and occupational diseases (USSR periodical), translations, 6510

labor, USSR studies, 1313

public health organization principles, USSR study, 1192

see also Health.

Hygiene and Epidemiology Institute, Bulgaria, organization and tasks, 6497

Hyland, Howard L., plant inventories, plant material introduced, 8810, 15828

Hymenoptera, American north of Mexico, 7267

see also Wasps.

Hyperbaric atmosphere, see Atmosphere.

Hyperbaric hemolysis, see Hemolysis and hemolysins.

Hyperhydration and parotid flow in man, 7349

Hypersonic airplanes, see Airplanes.

INDEX 1967

- Hypersonic flow, *see* Flow.
Hypersonic performance of several basic and modified diamond-cross-section delta wing configurations, 9884
Hypersonic speed, *see* Air speed.
Hypertension, *see* Blood pressure.
Hyperthermia, carotid and femoral artery blood flow in hyperthermic cats, 5710
Hypnosis, treating neurodermatitis patients with electrosleep and hypnosis, USSR excerpt, 17874
Hypnotics and sedatives:
 depressants—
 bibliography, fact sheet, 14073
 fact sheet, 12556
Hypobaric hemolysis, *see* Hemolysis and hemolysins.
Hypochlorites, decontamination, application to STOP system, exploratory studies, 10012
Hypothermia, use in exploration of space, possibilities and prospects, USSR study, 16768
Hypoxia:
 acute, regional lactic acid concentration in dogs, 1739
 chronic, in relation to altitude acclimatization, annotated bibliography, 17363
 Levy test, use in biomedical monitoring during dynamic stress testing, 7344
 oxygen deficit incurred, and relation to excess lactate, 7355
 physiologic changes due to hypoxic bed rest, effects of negative pressure, 7346
 rats trained to hypoxia, changes in erythrocytes, USSR study, 4985
Hysong, Clara B., relief, 13571
Hysteresis:
 contact angle, effect of liquid structure, 9987
 loop method, use to study thixotropic suspensions, 10005, 11679
- I**
- I am an American fighting man (Armed Forces), 1764
I & N reporter, 3405
I.C.O., *see* Interagency Committee on Oceanography.
I.L.O., *see* International Labor Organization.
I.R.S., *see* Internal Revenue Service.
I see a future, 17297
IAEA, *see* International Atomic Energy Agency.
IAGLO, *see* International Association of Governmental Labor Officials.
Iampietro, P. F., achievement of thermal balance and its maintenance during environmental stress, 1822
Iao Stream:
 Maui, Hawaii, engineer report—
 departmental edition, 13977
 document edition, 13559
IATA, *see* International Air Transport Association.
IAU, *see* International Astronomical Union.
Ibach, D. B., fertilizer use in United States, by crops and areas, 1964 estimates, 14760
Iberall, A. S.:
 anatomy and DC characteristics of arterial system with introduction to its AC characteristics, 11405
 1967 behavioral model of man, his chains revealed, 14401
ICAF, *see* Industrial College of Armed Forces.
ICAS, *see* Interdepartmental Committee for Atmospheric Sciences.
ICC, *see* Interstate Commerce Commission.
Ice:
 accumulation on open mesh metal panels, prevention, 8879
 aircraft icing, climatological probability, 7318
Ice—Continued
 anisotropic lake, ultrasonic pulse measurements, 1754
 bibliography, with abstracts, 14791
 central Yenisey River, spring ice jams, USSR study, 12724
 conditions, weather and crop bulletin (periodical), 4060
 creep of snow and ice, research report, 7380
 ice core from Greenland, stratigraphic analysis, 13290
 interface between ice and silicate surfaces, 11982
 measurement of natural particulate fallout onto high polar ice sheets, Antarctic and Greenland cores, 17374
 melting from below, natural convection, 7378
 melting problem with natural convection, study, 17376
 preventive compounds, military standard, 16471
 sheets, effect of basal water layer on dimensions, 4196
 surface movement on Tuto ramp in north Greenland, 11983
 see also Ice crystals—Sea ice
Ice breakers:
 program, Coast Guard authorization, 1968—
 hearings, 7752
 law, 13524
 reports, 10556, 12378
Ice cream, ices, etc., manufacturing, automation of dairy plants, layouts and operating criteria, 1702
Ice crystals:
 formation, at low temperatures, 17375
 growth rates, studies, 6447
 nucleation and growth, 6442
Ice Harbor Dam, fish passage report, 13974
Icebreakers, *see* Ice breakers.
Iceland:
 air navigation services, joint financing agreement with other Governments, 7158
 Cenozoic pectinids, 11180
 declaration on provisional accession to GATT, 7151
 economy, basic data, 9016
 lights and fog signals, list, 8572
 change, 5335
 sailing directions, change, 14571
ICEM, *see* Intergovernmental Committee for European Migration.
Ichthyology, *see* Fish and fisheries.
ICITA, *see* International Cooperative Investigations of Tropical Atlantic.
ICO, *see* Interagency Committee on Oceanography.
Idaho:
 census of agriculture, 1964, State and county statistics, 10396
 census of business, 1963, retail trade, area statistics, errata, 10339
 census of manufactures, 1963, area statistics, 155
 census of mineral industries, 1963, area statistics, 4285
 climatological data, 3096
 county business patterns, 10344, 12047
 electric rate book, 9457
 ground water in American Falls Reservoir vicinity, 17832
 mineral industry, minerals yearbook chapter, 1400
 National Reactor Testing Station area, hydrology, 16690
 postal map, 15653
 potato, special survey, 5558
 precipitation data, hourly, 3401
 records, pamphlet to accompany microcopy relating to appointments, 1861-99, of Federal judges, etc., 18071

Idaho—Continued
 water supply outlook and snow surveys, 4046
Ideas, packed for outdoor fun, Government publications, list, 11711
Identical bidding in public procurement, 17883
Identification:
 aircraft engine oil components, use of thin-layer chromatography (TLC), 11674
 chart system simplifies identification of complex design assemblies, 1458
 coding and application of book up and lead wire, military standard, 12444
 item identification, supply cataloging manual, 16458
 manufacturers part and drawing numbering systems, 7847, 10886
marking of—
 combat and tactical transport vehicles, 12443
 iron and steel products, Federal standard, 2269
 nickel and nickel base alloys, Federal standard, 16903
 symbols for iron and steel, nonferrous metals, and alloy products, Communist China, 6547
 system identification and pattern recognition, 9810
Identifying bee diseases in apiary, 5624
Ideology:
 and inflation implications of price and wage trends for national stabilization policies (remarks), 15249
 United States ideological offensive in winning cold war, hearings, 10623
Idioceridae, catalogue, 12
Idolatria, see Microlepidoptera.
IER, see Institutes for Environmental Research.
IES, see Institute for Earth Sciences.
IFAK, see International Federation of Automatic Control.
IFF radar (Identification, Friend-or-Foe), see Radar.
IFR, see Instrument flight rules.
Ignatius, Paul R., nomination, hearing, 15149
Igneous rocks:
 Cenozoic volcanic rocks of Devils Postpile quadrangle, eastern Sierra Nevada, Calif., 14170
 Dry Mountain quadrangle, Jefferson County, Mont., geology, 2358
 Elkhorn Mountains, northern, Jefferson and Broadwater Counties, Mont., petrology, 2367
 volcanic rocks associated with Creede caldera, San Juan Mountains, Colo., 8166
Igniters, igniting devices, classification definitions, 13043
Ignition:
 coal dust and methane mixtures, equivalences and lower ignition limits, 9782
 incendiarity of hot gases to methane and coal dust, reduction by sodium chloride and sodium nitrate, 11383
 toroidal ring prevents gas ignition at vent stack outlet, 9853
Igoe, William B., application of Richardson's extrapolation to numerical evaluation of sonic-boom integrals, 6859
Ignanid, see Lizards.
IHD, see International Hydrological Decade.
Igen, Lewis W., Tolland County, Conn., 7138
Illicit practices affecting U.S. economic program in Vietnam (followup investigation), 14996
Illinois:
 air pollution studies, 5438-42
 area measurement reports, 14816
 census of agriculture, 1964, State and county statistics, 10389

Illinois—Continued
 census of manufactures, 1963, area statistics, 1837
 census of mineral industries, 1963, area statistics, 4286
 climatological data, 3096
 congressional districts, 90th Congress, 1887
 county business patterns, 1660, 13370, 17425
 electric rate book, 15245
 fluorospar ore, selective flotation, 11382
 highway safety study, Operation 66, joint engineering enforcement project report, 1594
 housing loans guaranteed by VA, potential savings by revising procedures relating to default, GAO, report, 11151
 labor laws relating to private-household workers, fact sheet, 10137
 mineral industry, minerals yearbook chapter, 6050
 precipitation data, hourly, 3401
 Illinois River, basins project for water pollution control, Lake Ontario program, 9501
Illness, see Sick.
Illumination, see Lights and lighting.
Illusions (optical), see Optical illusion.
Illustrators:
 examination announcement, 14864
 discontinuance notice, 14863
illustrator draftsman—
 1 & C, Navy training course, 11656
 3 & 2, Navy training course, 13026
ILO, see International Labor Organization.
Image intensifiers, solid state, program for application to military training, final report, 5343
Image interpreters:
 analysis of interpreter-computer reporting techniques, 7403
 catalog technique for measuring image quality, development and evaluation, 7406
 different viewing devices for photo interpretation, effectiveness, 10283
 map displays, chip versus hard copy, 4224
 reference and auxiliary information, organization and presentation, 4226
 team, use in information exchange, confidence, and resolving disagreements, 5752
 vertical and high oblique photographs, interpretation, 5750
Image recognition, USSR, 9635
Image sensors, see Sensors.
Image tubes:
 design concept for improved photo-scan tube, 12891
 thermal neutron intensifier, provides brightly visible radiographic pattern, 17921
Imagery, screening and overlapping, influence on speed and accuracy of photo interpretation, 14804
IMCO, see Intergovernmental Maritime Consultative Organization.
IMG, see International media guaranty program.
Imig, L. A., effect of initial loads, etc., on room-temperature fatigue life of Ti-3Al-1Mo-1V titanium-alloy sheet, 14464
Imlay, Ralph W.:
 Mesozoic pelecypods Otapiria Marwick and Luperella Imlay, new genus, in United States, 8175
 Twin Creek limestone (Jurassic) in western interior of United States, 8168
Immersion:
 effect on urine composition, 15896
 water immersion, effect on plasma volume and catecholamine response to tilting, 7345

INDEX 1967

- Immigration and emigration:
 - coolly trade laws, repeal, report, 7684
 - immigration and nationality act, amend—
 - hearings, 7750-51, 17606
 - law, 474
 - reports, 678, 688, 876
 - immigration inspection, what you should know at time of entry to U.S. after visit to Expo 67, 11213
 - investigation, authorization, reports, 4603, 9286
 - laws—
 - administrative decisions, index, 11212, 14193
 - general information, 1138
 - migration of talent and skills, some facts and figures on brain drain, 14681
 - national origins system for selection of U.S. immigrants, abolish, amend act, report, 14965
 - publications, price lists, 10040, 15672
 - scientists and engineers from abroad, recent trends, etc., 9966
 - scientists, engineers, and physicians, brain drain into United States, staff study, 15029
- Immigration and Naturalization Service:
 - annual report, 11210
 - I & N reporter, 3405
 - immigration patrol inspector, examination announcement, 10435
 - interim decisions, 3425
 - officers, authority to make arrests, 15318
- Immigration border patrol, *see* Border Patrol, Immigration and Naturalization Service.
- Immobilization, calcium, phosphorus, and nitrogen mobilization resulting from conditions of inactivity in *Macaca irus* monkeys, 5707
- see also* Rest.
- Immunoelectrophoresis, use for study of antigen structure of helminths, USSR, 12664
- Immunohematology, laboratory procedures, Army technical manual, 5745
- Impact:
 - dynamic response to impact loadings of acceleration sensors having various mounting characteristics, 11521
 - high impact—
 - loading, temperature responsive valve withstands, 14427
 - pressure regulator withstands impacts of over 15,000 g., 16937
 - hypervelocity craters, in aluminum, projectile size effects, 14468
 - landing, motion of lunar-landing vehicle, procedure for computing, 18043
 - meteoroid hazards, effects, analytical study, 12855
 - of returning disabled Vietnam veteran with reference to rehabilitation, 18143
 - projectiles, initiation of condensed explosives, 14343
 - rail, testing on long travel shock mounts, 14805
 - solids colliding at high speeds, interaction, USSR study, 16744
- Impedance:
 - input admittance of coaxial transmission line opening onto flat, dielectric-covered ground plane, 16993
 - mechanical analysis for lumped parameter multi-degree of freedom/multi-dimensional systems, 11489
- Imperial Council of Ancient Arable Order of Nobles of Mystic Shrine, *see* Ancient Arable Order of Nobles of Mystic Shrine.
- Imperial County, Calif., population, special census, 10372
- Imperial National Wildlife Refuge, birds, list, 12547
- Implements, utensils, etc.:
 - food utensils, etc., procedure for bacteriological examination, 17164
- Implements, utensils, etc.—Continued
 - hydrogen storage vessel on moon, thermal characteristics, 5259
- Import Bank of Washington, Export-, *see* Export-Import Bank of Washington.
- Importers, and U.S. merchant marine, 12786
- Imports:
 - by air, foreign trade reports, 3358
 - consumption and general imports, foreign trade report, 14836
 - detentions, food, drug, and cosmetic products, report, 3820
 - foreign trade—
 - airborne, summary reports, monthly, 3995
 - reports, 3351, 8956-59, 14836
 - summary reports, monthly, 4001-2, 4004, 4006
 - from low-wage areas, procedures to relieve domestic industries, etc., injured by, reports, 16242, 16256
 - general, foreign trade reports, monthly, 3353
 - impact on—
 - American industry and employment, procedures to relieve, hearings, 16323
 - American labor, hearings, 6034
 - quotas administered by Customs Bureau, etc., 9357
 - total trade, summary reports, monthly, 4004
 - trade by—
 - commodity, summary reports, monthly, 4001
 - country, summary reports, monthly, 4002
 - United States—
 - country of origin marking requirements for goods imported, 7842
 - trade with major world areas, 10460
 - Vietnam commercial commodity import program followup investigation, report, 14997
 - working day and seasonal adjustment factors and months for cyclical dominance (MCD), 4361
 - see also* Tariff—also names or classes of articles imported.
- Imprisonment, alternatives to incarceration, studies in delinquency, 10135
- Improving service to the public, agency action programs, 14865
- In defense of uselessness, address, 7900
- In-flight response to new non-gyroscopic blind flight instruments, 141
- In-tank shutoff valve is provided with maximum blast protection, 2645
- Incarceration, *see* Imprisonment.
- Incendivity, *see* Ignition.
- Incentive contracting guide, 16927
- Incinerators:
 - concrete block, building plan, 4124
 - incineration in cylindrical combustion chamber, experimental studies, 9763
 - tepee refuse burners, air pollution aspects, 1572
- Income:
 - commercial cotton farms, costs and returns, 1965, 986
 - consumer income—
 - of families and persons in United States, 4355
 - series, 4355, 16026
 - distribution in United States, 1883
 - families and persons, 1947-64, trends, 16035
 - family—
 - average, 16026
 - working wives, their contribution, 11914
 - farm—
 - better income for farmers, 11938
 - costs and returns—
 - commercial dairy farms, northeast and midwest, 16488
 - commercial egg-producing farms, New Jersey, 16489

Income—Continued

farm—continued
costs and returns—continued
commercial tobacco farms, Coastal Plain, North Carolina, 13943
commercial tobacco-livestock farms, Bluegrass area and Pennyroyal area, Ky.-Ten., 16490
income situation, 3261
increase through cooperative programs (address), 7257
new era farm programs (remarks), 15876
parity returns position of farmers, report, 13724
print as Senate document, report, 15100
teaching taxes program, 8221
imputed from owner-occupied housing, 7129
income and budget costs by family type, revised equivalence scale for estimating, 17900
income-loss protection against short-term sickness, 2866
limitations under VA pension and DIC programs, hearings on miscellaneous bills, 17613
low and moderate income families, new programs in health, education and welfare, 8193
low income—
better care for people, new title 19, medical assistance program, brief summary, 2228
families in Spanish-surname population of Southwest, characteristics, 9389
national income and product accounts, United States, 1929-65, statistical tables, 1829
productivity, prices, and incomes, study, 12190
railroads, selected items, 3865
status of OASDI beneficiaries with and without private pensions, 5514
tax returns statistics—
business, 6461, 9599
corporations, 15337
individual, 6460, 6462
1965, and 50-year historical summary, 14206
personal wealth estimated from estate tax returns, 15336
sales of capital assets reported on 1962 individual returns, 2411
see also subject from which income is derived.
Income tax:
administration, agreement with Viet-Nam, 15775
aged, revise tax treatment analysis of H.R. 5710, 6048, 16346
bank holding company act, income tax treatment of distributions pursuant to, reports, 659, 7692, 15093
Brazilian legislation, 12133
convention with France, 16351
corporations outside D.C. making loans secured by D.C. property, clarify status, report, 879
deductibility of accrued vacation pay, extend time, law, 406
deductions—
contributions to national and state political committees, amend internal revenue code, hearings, 16408
farmers, depreciable property, assessments for soil or water conservation or drainage districts, report, 7690
organizations contributions to, which are deductible, list, 12646
supplements, 3166
reserve for certain guaranteed debt obligations, law, 435
travel, entertainment and gift expenses, rules, 2410

Income tax—Continued

depreciation, investment credit, amortization, depletion, 4916
District of Columbia, increase, report, 672
donated property appraisals, procedure, 12651
double taxation, convention with—
Belgium, protocol, 2908
Brazil—
hearing, 17651
text., etc., 9185
Trinidad and Tobago, 6063
hearing, 17651
report, 17620
United Kingdom, agreement, 2921
employee pension annuity, profit sharing, stock bonus plans, etc., 9596
exemption for combat pay of commissioned officers, increase, law, 452
Federal tax returns, related forms and publications, description, 12647
guide for farmers, 1967 edition, 1142
increase (remarks), 17272
interest on refunds made within 45 days after filing of return—
law, 1970
reports, 2023, 2097
IRS looseleaf regulations system, 2406, 3525, 6455-56, 8218, 9597, 11220-221, 12649, 14202, 16723, 17851
opportunities for reducing costs on refunds attributable to net operating loss deductions, GAO report, 11149
reduction and revision, legislative history of H.R. 8363, 88th Congress, 756
reporting your tips for tax purposes, 2408
restoration of investment credit and accelerated depreciation allowance—
hearing, etc., 7764, 7804
law, 12168
legislative history, 13719
message from the President, 9063
reports, 7711, 7713, 9271, 10614
returns, filing directly with Internal Revenue Service centers—
law, 427
report, 902
returns statistics—
business, 6461, 9599
corporations, 15337
foreign tax credit claimed, 11224
farmers cooperatives, 2412
individual, 6460, 6462
1965, and 50-year historical summary, 14206
sales of capital assets reported on 1962 individual returns, 2411
senior citizens, tax reform, message from the President, 12198
supplementary convention with Canada, 4575
hearing, 17651
report, 17620
support test in case of children of divorced or separated parents—
law, 16134
reports, 2022, 2099, 7693, 15091
surcharges—
hearings, 17614
message from the President, 16154
suspensions of investment credit and accelerated depreciation—
hearings, 952
law, 504
summary, 4566
legislative history, 2064
report, 677
Senate amendments, summary, 4568
tax information for visitors to United States, 9600
teaching taxes program—
farm, 8221
general, 8220
teacher's guide, 1149
timber owner and his Federal income tax, 10161

INDEX 1967

Income tax—Continued

- treatment—
 - aged persons, revise, hearings, 7763, 10684
 - casualty losses attributable to major disasters, report, 7694
 - certain straddle transactions, report, 2024
 - exploration expenditures in case of mining, report, 650
 - treble damages under antitrust laws, make nondeductible, hearings, 7820
 - your Federal income tax for individuals, 2415

Inconel:

- alloy 718—
 - cryogenic fatigue data developed, 8472
 - materials data handbook, announcement, 17955

- Inconel X, high temperature vacuum fatigue testing with resonance-type machine, 11676

- Incremental procedure for solution of nonlinear problems with applications to plates and shells, 2727

- Incurvarillidae, *see* Motbs.

- Indebtedness, *see* Debt.

- Indecent publications, *see* Obscene matter.

Indemnity:

- delayed delivery of registered mail, hearing, 9166
- milk payments to dairy farmers, extend—law, 16140
- reports, 14981, 15088

- Independence County, Ark., water resources, 14181

- Independence National Historical Park, Deshler-Morris House, general information, 6979

- Independence quadrangle, Calif., stratigraphy of Paleozoic formations, 2364

- Independent health insurance plans in U.S., 1965 survey, 2870

- Independent offices, *see* Government offices.

Index-digests:

- Civil Aeronautics Board, cumulative, economic cases, 8970
- Subversive Activities Control Board reports, 5563

- Index numbers, *see* subjects, e.g., Wages.

Indexes:

- AMC publications and blank forms, 95, 5721, 1025, 13289, 15927
- animal research in psychopharmacology, 7083

- armed services papers, 2041

- Atomic Energy Commission news release, 13312

- bibliography of medical translations, annual, 14526

- catalog of investment information and opportunities, 1150, 3079-80, 14208

- Civil Defense Office publications, 196, 7527, 16054

- code of Federal regulations, 12515

- Commerce Department publications, 1965 supplement, 4454

- compendium of shock wave data, 5793

- congressional committee hearings, Jan. 3, 1963-Jan. 3, 1967, 13472

- congressional record—

- daily, 3132

- 89th Cong., 1st sess., bound volume, 9029

- Court of Claims cases decided, v. 160-171, 970

- Defense Department, specifications and standards, 13920, 15188
- supplements, 3412

- Defense Supply Agency publications & forms, 3195

- design manual, cumulative, change, 2766

- diabetes literature, 3203

- cumulative edition, 14621

- digest of public bills and resolutions, 3206

- Federal register, 3313

Indexes—Continued

- Federal specifications and standards, 6335
- supplements, 3409

Federal supply classification—

- alphabetic index, supplements, 3323

- numeric index, 3322

- Federal tax returns, forms, and publications, 12647

- Geniostoma, in New Hebrides, Fiji, Samoa, and Tonga, studies, 17048

- Government-wide index to Federal research & development reports, 3381

hearings—

- NASA, 1968 authorization, 13714

- population crisis, 16416

- Immigration and Naturalization Service, administrative decisions, 11212, 14193

- index-digest of Interior Dept. decisions, 3430

- index medicus, 3407

- cumulated, 6940

- internal security act, etc., administration, investigation, hearings and reports, 15168-169

- KWIC, Journal of Health Physics Society, 15694

- manuscript and revised printed opinions of Supreme Court in National Archives, 14512

- Maritime Administration, Maritime Subsidy Board, National Shipping Authority, current regulations, 11343

- medical and veterinary zoology, 15

- mental health evaluation, bibliographic index, 5421

- military periodicals, Air University Library, 3014

- Le Monde, 3411

- NASA management issuances, 11395, 15496

- NASA tech briefs, 11427, 16931

- National Institutes of Health library translations, 1966 supplement, 15700

- Naval Training Device Center publications, 2783

- Navy officer classifications manual, 7014

- nuclear science abstracts, 3647

cumulative—

- corporate authors, 12024

- report number, with public availability citations, 7440

- subjects, 15971

- nuclear science, conferences, 127

- Oak Ridge National Laboratory, master analytical manual, 7428

- OAD index of research results, 17342

- patents, 1966—

- list of patentees, 11686

- subjects of invention, 11687

- pesticides documentation bulletin (periodical), 2683

- photonic data, supplement, 17034

- plastics, technical conference papers, 17702

President's papers—

- Jackson, Andrew, 6623

- series, 6623

- proceedings of National Museum, 14546

- progressive fish-culturist, cumulative subject and author index, 1081

- radioisotope bibliographies, 13343

- regulations published in Sbirka zakonů CSSR during 1966, Czechoslovakia, 15423

- renegotiation rulings and bulletins, 15721

- reports, Armed Services Committee, House, 4522

- Russian accessions, Library of Congress, 3575

- Russian drugs, 8534A

- scientific and technical aerospace reports, 3851

- Social Security Administration, 1966 research and statistics notes, 7121

- La Stampa and La Stampa sera, 3410

Indexes—Continued
 technical conference papers on plastics, 981
 trademarks, 10021
 transport economics, monthly comment, 9605
 understanding the atom series, 17409
 United States code, 13473
 vegetative key to some common Arizona range grasses, 11141
 Veterans Administration publications, 2961, 17282
 water pollution control research and training grants, 1965 publications and reports, 11071
 weather stations, 17077
Indexing:
 messages and documents, manual and automatic, evaluation, 4166
 technical thesaurus, manual for building, 4677
 water resources research and development, vocabulary, 2398
Indexing (machine work):
 nonmagnetic, explosive actuated indexing device, 11496
India:
 accessions list, Library of Congress American Libraries Book Procurement Center, New Delhi, 3416
 agricultural commodities, agreements, 1635, 2935, 7180, 11848, 11860
 cotton textiles, trade agreement, 8730
 economic development projects, planning and surveillance by AID, GAO report, 16669
 food to stave off threat of famine, proposal that U.S. join international effort to help, message from the President, 5996
 foreign trade regulations, 9014
 investment guaranties, agreement, 2909
 labor law and practice, 8300
 market factors, 17477
 mineral industry, minerals yearbook chapter, 8352
 power plants, Soviet studies, 6525
 relieve hunger victims, U.S. participation—
 hearings, 7792, 9138
 law, 9037
 reports, 7783, 9083, 9085
 sailing directions, west coast, 17073
 selling in India, 4438
 trade in cotton textiles, agreement, 8741, 13150
 U.S. travelers, you can assist U.S. balance of payments, 11887
Indian Affairs Bureau:
 appropriations, 1968, hearings, 7734
 downdraft (periodical), 12634
 elementary teacher, examination announcement, discontinuance notice, 1921
 employment opportunities for elementary teachers, examination announcement, 1922
 field and central offices, directory, 3210
 Indian education, inquiry into transfer of responsibility to Education Office, 13879
 need to resolve differences in procedures used by Federal timber management agencies in appraising timber offered for sale, GAO report, 4871
 new series of publications about Indians from Florida to Alaska, announcement and order form, 14615
 press releases, 3736
 programs, briefing session, hearings, 10655
 progress report, 12635
 records, preliminary inventory, 14506
Indian Arts and Crafts Board, fact sheets, 12639-640

Indian Claims Commission:
 appropriations, 1968—
 hearings, 7734
 law, 12170
 reports, 10560, 10766
 termination date, extend, and expand membership—
 hearings, 6113, 10656
 law, 9039
 reports, 9096, 9110, 9267
 Indian Claims Commission for Alaska, appropriations, 1968, hearings, 9302
 Indian Health Division, pediatrics residency program, 1570
Indian lands:
 heirship problems, amend law, report, 15116
 Interior Department decisions, 3426
 long-term leasing act—
 amend extending terms, etc., report, 15078
 amend rel. to—
 Gila River Reservation, report, 12243
 Hualapai Reservation, report, 12244
 San Carlos Apache Reservation, report, 12261
 see also names of Indian tribes or reservations.
Indian Ocean:
 atlas of interpolated values of depth, salinity, etc., 15624
 caligid copepods parasitic on sharks, 6958
 islands for defense purposes, availability, agreement with Great Britain, 11846
 lights and fog signals, list, changes, 5332, 9973, 14579
 notice to mariners, 3641
 portunid crabs, Smithsonian collections, 8540
 radio navigational aids, changes, 7006, 11647, 17075
 radio weather aids, changes, 2272, 8573, 11648, 17076
 south, sailing directions, change, 14575
 tide tables, 14875
 water masses, variability, 11630
 water, measurement of propagation velocity of elastic oscillations in surface layer, 36th cruise of USSR experimental ship Vityaz, 15353
 western—
 bathypelagic calanoid copepods, 8548
 seabirds, pelagic distribution, 14534
Indian reservations:
 offenses, committed by Indians, amend U.S. Code, law, 421
 water supply of Indian reservations (series), 6409, 17829
 see also names of reservations.
Indian schools, title 1 activities under elementary and secondary education act, 12634
Indiana:
 area measurement reports, 5810
 census of agriculture, 1964, State and county statistics, 12091
 census of manufactures, 1963, area statistics, 1838
 census of mineral industries, 1963, area statistics, 5826
 climatological data, 3096
 county business patterns, 1861, 13371
 electric rate book, 2249
 mineral industry, minerals yearbook chapter, 6651
 precipitation data, hourly, 3401
 Indiana Dunes National Lakeshore, establish. law, 12162
 Indiana University, mass spectrometer, duty-free entry, 7652, 14888, 16356
 Indianapolis, Ind., area wage survey, 8314
Indians:
 adult vocational training, appropriations, increase report, 15079, 16283
 affairs, 1966, progress report, 12635
 Alaska, general information, 2389

INDEX 1967

Indians—Continued

- anthology of poetry and verse, 4911
 - appeals, Interior Department decisions, 3428
 - arts and crafts, sources, list—
 - individuals, 12640
 - organizations, 12639
 - children education, etc., study, authorization, report, 15137
 - code of Federal regulations, 11038
 - constitutional rights, hearings and investigations, summary report, 12414
 - dental health program, 11724
 - dental services—
 - 1966 annual report, 2810
 - 1967, annual report, 18159
 - dentist in Indian health, 8627
 - education of children, extend authority for allocation of funds—
 - hearings, 7742, 9153, 12419, 17664
 - reports, 9118, 10557
 - education, quality, organizational location in Education Office or Indian Affairs Bureau, 13879
 - Federal facilities, 1967 report, 10805
 - addendum, 10804
 - Florida to Alaska, new series of publications, announcement and order form, 14615
 - Fort McDermitt, grazing reserve—
 - law, 17552
 - report, 15112
 - good day at Rough Rock, giving education back to Indians, 9400
 - governing bodies of Indian groups under Federal supervision, list, 15321
 - Great Lakes area, general information, 2390
 - health and sanitation programs, briefing, hearings, 10655
 - health program—
 - Public Health Service—
 - nurses, examination announcement, 10436
 - discontinuance notice, 10423
 - reporter to the 1st Americans, 11761
 - Indian leader (Haskell Institute periodical), 3417
 - Indian School journal (periodical), 3418
 - Indian-State relations in their historical perspective (address), 15322
 - Industrial development, program, 2388
 - Lower Plateau States, general information, 6427
 - nursing careers among American Indians, 18184
 - offenses committed in Indian country, amend U.S. Code, law, 421
 - publications, price list, 15671
 - revolving loan fund, amend law, report, 642, 15116
 - services for Indians, 16517
 - VISTA serves American Indians, 6168
 - war on poverty, examination, hearings, 12420
 - see also* names of reservations or tribes.
- Indicators:
- patent classification definitions, 17105
 - system provided complete data of engine cylinder pressure variation, 5200
- Indium:
- determination of lead in, 9985
 - in magnesium-base alloys, determination, 9985
- Individuality:
- naval training equipment and individual differences, study, 9980
 - whatever happened to the individual? (address), 10319
- Indonesia:
- accessions list, Library of Congress American Libraries Book Procurement Center, Djakarta, 3419
 - agricultural commodities, agreement, 5541, 7154

Indonesia—Continued

- agriculture, 9393
- Aldit's flight following Sept. 30 movement, 12679
- atomic energy, cooperation for civil uses, agreement, 7165
- background notes, 8708
- capsule facts for Armed Forces, 8874
- health information for travel, 13078
- military assistance for civic action program, agreement, 13154
- mineral industry, minerals yearbook chapter, 6652
- Inducers, pump, hubless, performance in water and liquid nitrogen, 6860
- Induction furnaces, tungsten insulated susceptor cup eliminates contamination, 5211
- Induction heating, *see* Heating.
- Inductors, RF inductor has higher Q, stable at higher temperatures, 9861
- Industrial accidents, *see* Accidents.
- Industrial arbitration, arbitration and N.L.R.B., 2d look (paper), 6937
- Industrial arts:
 - instruction, financial assistance guidelines under NDEA, 13956
 - national defense education act, institutes for advanced study, summer 1967, handbook for directors, 1003
 - secondary school, model spacecraft construction units, 2594
- Industrial College of Armed Forces:
 - catalog, 11240
- correspondence courses—
 - management in Department of Defense, information booklet, 9607
 - offered on national security management, information booklet, 2422, 7863
- correspondence school, program of studies, 9606
- information manual, 6477
- monograph series, 9608, 16731, 17858
- National Security Seminar—
 - presentation outlines and reading lists, 2423, 15342
 - prospectus, 11241
- perspectives in defense management (periodical), 12658
- Industrial diseases, *see* Occupational diseases.
- Industrial engineering technicians, examination announcement, 13445
- Industrial health, *see* Health.
- Industrial homework, *see* Home labor.
- Industrial hygiene, *see* Hygiene.
- Industrial instruments, exports, 1958-66, analysis, 15983
- Industrial machinery, *see* Machinery.
- Industrial management:
 - management aids for small manufacturers, 2854
 - methodological instructions for industrial enterprise change-over to new planning system, USSR study, 1169
- Industrial molasses, *see* Molasses.
- Industrial noise, guide to its evaluation and control, 17152
- Industrial plants, *see* Plants (Industrial).
- Industrial production, *see* Production.
- Industrial relations:
 - bibliography, Labor management relations act, 1947, as amended by Labor-management reporting and disclosure act, 11599
 - economic progress through improved labor-management relations (remarks), 5957
 - industrial democracy, millions of ballots for, 6938
 - labor management relations—
 - field examiner, career with National Labor Relations Board, 2748
 - paradoxes (remarks), 18088
 - selected readings and references, 11294
 - labor management reporting and disclosure act, summary of operations, 6598
 - lawyer's role (remarks), 14525

Industrial relations—Continued
 national labor relations act, amend—
 hearings, 728, 10648, 15025
 report, 10576
 publications, list, 3623
 purchaser and labor contract, escalating
 theory (address), 15596
 Taft-Hartley act, 20 years after, major
 developments (address), 9949
 25 millionth vote, milestone in industrial
 democracy (remarks), 6939, 8532
 unfair labor practices, case developments,
 report, 3799
Industrial safety, see Safety of life.
Industrial waste, see Waste products.
Industrial workers, see Labor.
Industries, see Industry—also names of
industries.
Industry:
 air pollution, responsibility in controlling
 (address), 8636
American—
 funds for research and development,
 1965, preliminary report, 5325
 impact of imports, procedures to relieve,
 hearings, 16323
 standard industrial classification (SIC)
 used by Census Bureau system
 (address), 181
 America's industrial manpower require-
 ments, 1964-75, study, 6603
 and education cooperate in scientific re-
 search, USSR, 8251
 are planning and regulation replacing
 competition in new industrial state?
 16438
 Atlantic industrial community looks to the
 future (remarks), 10451
 basic research, applied research, and de-
 velopment in industry, 1964 survey,
 final report, 2761
 Bulgaria, industrialization over 2 decades
 reviewed, 15424
 classification manual, 8922
 Continental Shelf, industrial research
 problems, USSR study, 8278
 current industrial reports, 3169-70, 3540,
 4322-47, 5853-76, 7478-82, 8938-48,
 10352-359, 12067-83, 13386-397,
 14825-830, 15990-16007, 17429-437
 announcement and order form, 4325,
 8948
 cybernetics in industry, USSR study, 6537
 defense industry bulletin (periodical),
 3193
 descriptions, 14817
 economic and technical information on
 typical industries, guide, 15341
 electronic and precision equipment, East
 European, translations, 3955
 impact of pollution abatement regulations
 (address), 1580
 Indian industrial development, program,
 2388
 industrial characteristics of workers, af-
 filiations by age, race, class of work,
 etc., census of population, 13403
 industrial outlook, 1828
 industrial work, levels of illumination for
 various kinds, student references, 9731
 industry and universities strengthen col-
 laboration, USSR study, 6559
 industry reports, 3092, 3129, 3147, 3150,
 3588, 3770, 3788
 interindustry labor mobility in United
 States, 13119
 interindustry relationships, potential de-
 mand, etc. 1970 projections, 2508
 machinery industries, East European,
 translations, 3956
 memorandum to industry, civil defense
 movie, announcement, 10407
 meteorologists in service, Hungarian,
 12717
 new patterns of industry-Government
 partnership in coming decade, (ad-
 dress), 4429

Industry—Continued
 nonagricultural, employment, hours and
 earnings, measurement, 16825
 Ozarks, rural industrialization case study,
 17711
 plans for progress program, 11298
 Post Office challenge, 10028
 premium pay provisions for weekend
 work, 5057
 profiles, 14813
 basic economic and technical data, etc.,
 accession notice, 11229
 reference materials, establishing and using,
 USSR study, 1346
 safety in industry—
 instructor outline—
 accident investigations and records,
 8291
 construction safety, site clearing,
 17887
 consultative approach for safety pro-
 motion, 16797
 fire and explosion prevention and pro-
 tection, 8295
 handling materials safely, 9681
 housekeeping for safety, 6599
 illumination for safety, 8296
 job hazard analysis, 14280
 personal protective equipment, 8298
 planning layout and arrangement for
 safety, 8292
 preventive maintenance for safety,
 8293
 promoting worker interest in safety,
 8288
 responsibility for safety, 8287
 safe working surfaces, 8294
 safety inspection procedures, 8290
 safety organization, 8289
 use of color for safety, 8297
 maritime safety data for shipyards,
 shipboard ventilation for hazardous
 atmospheres, 8299
 State-local taxation and industrial loca-
 tion, interrelationship, 15823
 travel attraction for tourists (remarks),
 1959
 TVA area, development, 14706
USSR development, translations—
 automotive and tractor industry, 4015
 chemical industry and machinery, 4016
 construction, construction machinery,
 and building materials, 4017
 electric power, power machinery, and
 electrical equipment, 4018
 electronics and precision equipment,
 4019
 metallurgy and minerals, 4020
 metalworking equipment, 4021
 precision equipment, 4022
 USSR light, economic reforms, results,
 5009
USSR, translations—
 current developments, 4013
 general information, 4014
 wage and union scale studies, 1955-66,
 directory, 5072
 wage survey—
 communications, 6604
 fertilizer manufacturing, 12774
 hospitals, 15448
 industrial chemicals, 2502
 laundry and cleaning services, 14298
 motion picture theaters, 11330
 synthetic fibers, 8317
 women's and misses' dresses, 6613
 wool textiles, 15446
 see also Manufactures and manufac-
 turers—
 also names of industries.
 industry manpower surveys, 17729
 inelastic electron scattering, see Scattering.
 inert gases, see Noble gases.
 inertia, moments of, see Moments of inertia.

INDEX 1967

- Inertial guidance :
 - alignment of inertial systems on moving base, 16976
 - sensor testing, limitations produced by test platform vibrations, 1492
- Inertial navigation, *see* Navigation.
- Inertial systems, *see* Inertial guidance.
- Infant feeding, *see* Infants.
- Infantry, your career, 5731
- Infants :
 - casefinding, developmental approach, with reference to cerebral palsy, mental retardation, and related disorders, 10403
 - community infant formula services, minimum sanitary standards, 15698
 - mortality in—
 - Norway, problems, 17167
 - Scotland, 5466
 - United States, and 6 West European countries, international comparison, 8659
 - parents and babies, note to agents, 4764
 - rescue breathing, general information, 5461
- Infection :
 - control, environmental aspects of hospitals, 8635
 - infectious process, pathogenesis, experimental therapy, USSR studies, 6573
 - tumor and infectious virus interaction, quantitative aspects, USSR study, 6580
- Infectious anemia, *see* Anemia.
- Infectious diseases, *see* Contagion and contagious diseases.
- Infestation characteristics of balsam woolly aphid in Pacific Northwest, 4852
- Inflammable materials :
 - flammability—
 - in unusual atmospheres, materials in hyperbaric atmosphere containing oxygen, nitrogen, and/or helium, preliminary studies, 11675
 - properties of hydrocarbon fuels, 17094
 - plywood surface effect of panel thickness and noncombustible inserts, 8064
- Inflation, passive geodetic satellite inflation rate study, 8426
- Inflation (finance) :
 - ideology and inflation, implications of price and wage trends for national stabilization policies (remarks), 15249
 - restoration of investment credit and accelerated depreciation allowance—
 - hearings, etc., 7764, 7804
 - law, 12168
 - legislative history, 13719
 - message from the President, 9063
 - reports, 7711, 7713, 9271, 10614
 - suspensions of investment credit and accelerated depreciation—
 - hearings, 952, 7764
 - law, 504
 - summary, 4566
 - legislative history, 2064
 - report, 677
 - Senate amendments, summary, 4568
- Influenza, health information series, 7068
- Informacion sobre jornales, 8845
- Information :
 - scientific and technical information (USSR periodical), 3852
 - see* Public information.
- Information and the nervous system, 14250
- Information bulletins, *see* names of departments, etc., issuing bulletins.
- Information Center on Nuclear Data, bulletins, 5763, 12000
- Information centers, *see* Information services.
- Information input and fixation in human memory during natural sleep, 11285
- Information Office, Agriculture Dept. :
 - appropriations, 1968, hearings, 10629, 12397
 - congressional list (series), 8206
- Information services :
 - Atomic Energy Commission, specialized information centers, directory, 1814
 - FAA handbook, 10979
 - federally assisted programs, study system to aid in participation, hearings, 4639
 - information center for electrical equipment, USSR, 15377
 - library and information science research program, 7901
 - public welfare agencies, 10134
 - resources in U.S., directory, Federal Government, 15458
 - scientific and technical—
 - information dissemination, national and international developments, 3853
 - reference materials, establishing and using in research, design, and industrial operations, 1346
 - USSR, Leningrad Information Bureau, services for technical progress, 6513
- Information storage and retrieval systems :
 - analysis of interpreter-computer reporting techniques, 7403
 - Army scientific & technical information program, 13306
 - automated address coding guide and data retrieval series, 16028
 - coding and keypunching, geological information form for core, grab, and dredge samples, instructions manual, 6997
 - colleges and universities, systems for measuring and reporting resources and activities, 17058
 - criminal intelligence data system, annual report to Congress, require, reports, 13670, 13685
 - data retrieval system provides unlimited hardware design information, 11484
 - documentation sponsored by NSF, price list, 6916
 - evaluation of user reactions to prototype on-line information retrieval system, 17945
 - image interpreter reference and auxiliary information, 4226
 - Labor Statistics Bureau system, search statement manual, 15436
 - master control data handling program uses automatic data input, 16940
 - message retrieval systems, manual and automatic, laboratory evaluation, 4166
 - move the information, kind of missionary spirit, trends, in processing and education, 14766
 - National Institute of Neurological Diseases and Blindness, neurological information network, 15699
 - needed, international system for evaluated compressed scientific and technical knowledge (address), 10457
 - nonconventional-scientific and technical information systems in current use, descriptions, 11623
 - problems of Soviet science, 2427
 - request oriented information selection program, 8506
 - scientific and technical information, single and united system construction, USSR study, 9646, 9675
 - scientific information retrieval system for research grants, Radiological Health Division, 7064
 - solid system compression, numeric and alphanumeric, 14519
 - SPAD formatter, buffer interface between satellite prediction computer and display, 8593
 - urban planning information system, 11207
 - weather forecasting, human processing of information, 8862
- Information theory :
 - cybernetics in service of Communism, USSR studies, 12742
 - physico-chemical modeling of information processes, USSR study, 1272

- Information theory—Continued
 problems of information transmission (USSR periodical), 3772
 quantum effects in information transmission systems, 15057
 relationship of entropy and quantity of information, USSR study, 14247
 Informational media guaranty program: financing—
 hearing, 10834
 report, 10767
 Infrared Acquisition and Tracking System, Apollo aircraft, infrared equipped for re-entry tracking, navigation accuracy, 1507
 Infrared beamsplitters, *see* Beamsplitters.
 Infrared lamps, brooding chicks, 15857
 Infrared rays:
 absorption of intense bands of H_2O , D_2O and CS_2 , measurements, 1550
 airborne infrared mapper as tool for detecting and measuring fires, 8106
 atmospheric transmission, from 2-5 microns for slant paths from 35,000 ft. to upper limit of atmosphere, survey, 12931
 detector, use of twin helix system to produce fast scan, 6806
 flux from air to underlying surface, 2972
 handbook of military technology, 8584
 horizon definition, state-of-the-art report, 8416
 horizon profiles from meteorological data inputs, synthesis of 15u bans, 9801
 horizon radiance profile variations over range of meteorological, geographical, and seasonal conditions, 8418
 IR vidicon scanner monitors many test points, 15545
 outgoing infrared radiance from planetary atmosphere, theoretical computations, 14457
 passive infrared acquisition and tracking system analysis, 5177
 reflectances of metals at cryogenic temperatures, 6922
 spectrometric techniques and spectral-structure correlations, 6631
 Infrared spectral transmissions, *see* Transmittances.
 Infrared spectrophotometry, *see* Spectrophotometry.
 Infrared spectroscopy, *see* Spectroscopy.
 Infrared spectrum, *see* Spectra.
 Ingots, *see* names of metals.
 Ingram, William Marcus, biological field investigative data for water pollution surveys, 1073
 Inhalation, anesthetization of small laboratory animals, apparatus, USSR study, 1288
 Inheritance and transfer tax:
 career opportunities, estate tax examiner, 2404
 IRS looseleaf regulations system, 3526
 returns, estimate of personal wealth, 15336
 Inheritance (biology), *see* Heredity.
 Inhibition, aromatic L-amino acid decarboxylase by decarborane, 14775
 Inhibitors, organophosphorus, anticholinesterase activity, determination, USSR study, 1168
 Inhomogeneous gases, *see* Gases.
 Iniskin-Tuxedni region, Alaska, geology, 8163
 Injections:
 and suction in equilibrium dissociating air, stagnation-point boundary layer, 8499
 gaseous-film cooling of rocket motor, 6882
 Injectors, M-1 engine subscale, tests, 12959
 Injuries:
 acute conditions, incidence and associated disability, July 1965-June 1966, in U.S., 14637
 coal mines, monthly report, 3098
 conference on trauma, report, 7087
 firearms, etc., mandatory reporting in D.C., provide law, 480
 Injuries—Continued
 fuel industries, minerals yearbook chapter, 2536
 injury potentials of light-aircraft instrument panels, 1820
 metal and nonmetal industries, minerals yearbook chapter, 8338
 metallic mineral industries, 1961-63, injury experience, 11355
 mineral industries—
 minerals yearbook chapter, 2537
 work injury experience, 8342, 15465
 nonmetallic mineral industries, 1961-63 experience, 9756
 oil and gas industry, 16851
 rates—
 how to compute, 9701
 manufacturing industries, 3422
 recording employee injuries, 9714, 16805
 work injuries—
 and accident causes in school lunch rooms, 14282
 and work injury rates, heavy construction industry, 17890
 concrete brick and block industry, 16813
 see also Accidents—Employers' Liability and workmen's compensation.
 Ink, Dwight, remarks, Sept. 18, 1967, 17842
 Inland waterways:
 inland seas, what will happen to them, USSR study, 8244
 rules concerning sailing vessels, etc., law, 468
 Inlets, *see* Air inlets (aircraft).
 Inman, Robert M.:
 heat-transfer analysis for liquid-metal flow in rectangular channels with heat sources in fluid, 6883
 theoretical investigation of turbulent liquid-metal heat transfer in channels with heat sources in fluid, 1499
 Inner space, sea of opportunity, 6186
 Inner tubes:
 automotive, savings through use of formal advertising in contracting by GSA, GAO report, 9557
 excise tax, impose at manufacturer-owned retail outlet—
 law, 360
 report, 2094
 Federal item identification guides for supply cataloging, supplements, 3285
 pneumatic tire, Federal item identification guide, 15185
 Innovations, technological, *see* Technological innovations.
 Inoculation, legume, what it is, what it does, 14739
 Inorganic compounds:
 current industrial reports, 3169
 foam fractionation of inorganic solutions, 12642
 technical grade, military standards—
 aluminum ammonium sulfate through barium peroxide, 15193
 strontium nitrate through zinc oxide, 15194
 Inouye, F. T., application of alloy 718 in M-1 engine components, 12862
 Input admittance of rectangular waveguide-fed aperture antenna radiating into inhomogeneous lossy dielectric slab, 18028
 Input-output analysis, *see* Linear programming.
 Input-output table of social product, USSR, 1239
 Insect pests, *see* insects.
 Insect repellents, materials evaluated at Orlando and Gainesville, Fla., 14736
 Insect traps:
 blacklight traps, development for European chaffer surveys, 7303
 electric, large-scale field evaluation to reduce bollworm populations in Reeves County, Tex., 11915

Insect traps—Continued
wasps and bees, trap nesting, life histories, etc., 8685

Insecticides:
aerial application, I-V, problems, 17410
candidate materials evaluated, Brownsville, Tex., 13196
effectiveness, Soviet experimentation, 4978
insect control on crops, livestock, etc., suggested guide, 10162
materials evaluated at Orlando and Gainesville, Fla., 14736
residues on forage crops, results of analyses, 8803
see also Dusts and dusting—*also* names of insecticides.

Insects:
affecting sweetpotatoes, 15837
collection and preservation, 10182
control—
farm stored wheat, 4112
flowers, 17307
home vegetable garden, 10171
pecans, 1679
strawberry, 10167
cooperative economic insect report, 3148
damage to—
corn at harvest time and in farm storage in 3 southeastern States, 14751
shelled corn in small bins, evaluation of malathion, synergized pyrethrum and diatomaceous earth as protectants, 36
western forests, aerial photographic techniques for estimating, 14078
destructive Alaska forest insects, identification, 14085
disease carriers, 11730
evaluation of malathion, synergized pyrethrum, and diatomaceous earth as protectants against insects in sorghum grain, in small bins, 11933
finding hidden insects, student or classroom science project, 4135
forest, conditions in—
Pacific Northwest, 8053
United States, 9528
impact in northern hardwoods type, 2304
inert dusts as protectants for wheat in small bins, evaluation, 8835
injurious, in eastern United States, protecting log cabins, rustic work and unseasoned wood from attack, 5627
insect enemies, find and report, 10191
intercepted plant pests, list, 7250
in molayers for evaporation control of water, effect on insects, 7102
outbreaks in Oregon and Washington, 2291, 17797
publications, price list, 5416
quarantine notices under Plant quarantine act, P.P.C. series, 3667
trapping with light, student or classroom science project, 4136
two new sucking insect pests of seed in southern pine seed orchards, 15283
vascular plant associational studies, bibliography, 8804

Insulation, limits initial establishment of western larch seedlings, 14088

Inspection (Industrial):
how to inspect charts—
bag sewing operations, 9688
bench and floor stand grinder, 9686
cupola, 9689
demolition operations, 9693
HTIC LS series, 9684-95, 11308
effective use suggestions, 11307
radial saw, 9685
scaffold construction (light duty), 9690
table saw, 9687
textile industry, weaving, 9691
tractor loader, 9684
tubular steel frame scaffold, 9691
tubular steel tube & clamp scaffolding, 9695

Inspection (Industrial)—Continued
how to inspect charts—continued
vener lathe, 11308
wood shaper, 9692
inspecting for safety, 16803
occupational safety aid, 9702
see also names of articles, etc., inspected.

Inspection (military):
interagency ground inspection manual, 16559
machinery, piping and pressure vessels for ships of Navy, military standard, 2154
sampling inspection guide, quality and reliability handbook, 10902
see also Military supplies.

Inspection services:
Agriculture Dept., user charges, authorize, hearing, 15146
U.S. Government, directory, 14048
Inspector General, Agriculture Dept., appropriations, 1968, hearings, 10629, 12397

Inspectors:
agricultural, outwit foreign pests, 4138
FDA inspectors, career information, 11094
plant quarantine—
and plant pest control, examination announcement, 211
examination announcement amendment, 12100
poultry, handbook, 13889
see also types of inspectors.

Installations (military):
administrative facilities, Navy Dept. design manual, 17065
Air Force, communications-electronics activities, commercial services, manual, 4164
airfield and heliport pavement evaluation concepts, emergency construction, 7392

Army—
continental U.S., list, 14795
facilities, basic criteria and construction standards, technical manual, 10270
change, 4213
Army and Air Force, water supply and treatment, technical manual, 109
Army National Guard program, operating procedures, 6935
civil post offices, adequacy, 16338
construction appropriations, 1967—
law, 457
supplemental—
hearings, 7799
law, 9035
reports, 6087, 7665, 7667, 7673
construction appropriations, 1968, hearings, 13695, 15016, 16305, 16395, 17637
construction authorization, 1967, report, 623
construction authorization, 1968—
law, 17555
reports, 13684, 13688, 16284, 16371
courier station design, technical manual, 13301
defense disposal manual, changes, 6146, 7853
disposal of U.S. installations in France, report, 7769
drainage for areas other than airfields, emergency construction, Army technical manual, 111
emergency construction roads, streets, walks, and open storage areas, general provisions and geometric design, technical manual, 5742
engineering weather data for heating and air conditioning design, etc., Army, Navy, and Air Force manual, 11947
family housing occupants, telephone service, methods used to provide, Defense Dept., GAO review, 6383
homeowners losses incident to closing, assistance—
authorization, 1967—
hearings, 7796, 9147
reports, 9277, 10564, 10572

- Installations (military)—Continued
 homeowners losses incident to closing, assistance—continued
 authorization, 1968—
 hearings, 13695, 16395
 law, 17555
 reports, 13684, 13688, 16284, 16371
 land operational facilities, Navy design manual, 14565
 manpower utilization in Far East and Western Europe, report, 9133
 military fields, instrument approach, procedure charts, 3555
 NATO common infrastructure program, U.S. participation, investigation, report, 2034
 naval, relief of civilian employees, erroneously in receipt of wages, report, 4581
 naval shore facilities, definitive designs, 15619-620
 procedures manual for resource management, 7384
 ration breakdown point operations, technical manual, 15948
 signal construction battalion, field manual, 4205
 United States—
 disposal in France, report, 6109
 located in France, investment of military assistance funds, 9138
 Walter Reed Army Medical Center, construction authorization—
 law, 458
 report, 919
 Installations (naval), *see* Installations (military).
 Installment credit:
 auto loan characteristics at major sales finance companies, 7992
 automobile instalment credit developments, 1960-66—
 seasonally adjusted data, 7994
 seasonally unadjusted data, 7995
 automobile instalment credit developments (periodical), 7993
 commercial banks, holdings, monthly report, 3142
 consumer credit—
 at consumer finance companies, 3141
 monthly release, 3140
 consumer, slowdown, etc., 7997
 finance charges, require full disclosure and set maximum rates, hearings, 17594
 revolving credit provisions of truth in lending, hearing, 12402
 Instalment credit, *see* Installment credit.
 Institute for Applied Technology Institute:
 annual reports, 9943, 18079
 programs and organization, 12986
 Institute for Basic Standards annual reports, 9943, 18079
 Institute for Earth Sciences, ESSA technical reports, IER-IES series, 16533
 Institute for Materials Research annual reports, 9943, 18079
 Institute for Oceanography, programs and mission, 16537
 Institute for Telecommunication Sciences and Aeronomy:
 ESSA technical memorandum, IERTM-ITSA series, 7935
 ESSA technical reports, IER-ITSA series, 2223-25, 4748, 6223-25
 ionospheric predictions (periodical), 3446
 Institute of Food Technologists, 25th annual meeting, Kansas City, Mo., 1783
 Institute of Oceanology, USSR, 20th anniversary, 9622
 Institutes for Environmental Research:
 ESSA technical memorandums—
 IERTM-ATDL series, 9427
 IERTM-ITSA series, 7935
 IERTM-NSSL series, 6220 22, 10964-966, 15231, 16532
 Institutes for Environmental Research—Con.
 ESSA technical reports—
 IER-IES series, 16533
 IER-ITSA series, 2223-25, 4748, 6223-25
 Institutional assistance grant program, spring 1967, 16502
 Institutions:
 eastern and midwestern, milk consumption and food service patterns, 11935
 eligible under National vocational student loan insurance act of 1965—
 list, 2181
 supplement, 6181
 for aged and chronically ill, charges for care, 17169
 investment of institutional funds in FHA insured mortgages, 12626
 USSR—
 educational institutions, development, 1227
 scientific research institute, cost accounting, 16786
see also Child welfare institutions—
 Mental institutions.
 Instruction, *see* Education—
 Programmed instruction.
 Instructors, *see* Military Academy, West Point—Teachers.
 Instrument approach procedure charts, *see* Maps and charts.
 Instrument flight rules:
 aviation, air traffic patterns, 17740
 simulated IFR conditions, exposure of men to intermittent photic stimulation, 5802
 Instrument flying:
 attitude, Army technical manual, change, 1767
 handbook, 2284
 pilot examination guide, 6358
 supersonic transport departures, pictorial navigation display, simulator study, 12944
 Instrument landing, *see* Landing (aircraft).
 Instrument panels, *see* Panels and paneling.
 Instrumentation:
 analytical chemistry, survey, 16933
 determining courses of study, 1017
 developments, symposium, 17163
 for high energy physics, 1966 international conference, proceedings, 7419
 instrumentation and normal valves, biomedical monitoring during dynamic stress testing, 7343
 journal of research, National Bureau of Standards, 3460
 nearshore environment, by multipurpose data acquisition system, 16522
 pressure testing of instrumentation fittings portable fixture facilities, 11458
 radiochemical analysis, 2746
 reactor control systems based on counting and Campbell techniques, development program, 7422
 research of TVA Engineering Laboratory, 17260
 structures, Project Pre-Gondola, 17396
 Instruments:
 and laboratory equipment, Federal item identification guides for supply cataloging, supplements, 3289
 building (USSR periodical), 3451
 direction reference and three-axis attitude, has only one moving part, 6806
 electrical, shipments, 1960-65, analysis, 1826
 instrument automatically selects peak acceleration signal from several accelerometers, 1459
 low cost instrument to measure temperature or resistance accurately, 11127
 marine research, methods, USSR study, 6501
 panel, and control devices for automotive vehicles, Federal standard, 6317

Instruments—Continued

- selected instruments and related products, 1965, current industrial reports, 5872
- see also* names and types of instruments.
- Insulation:
 - ceramic, and insulating materials, properties, USSR study, 16755
 - cryogenic, inexpensive replacement for vacuum jacketed line, 16577
 - cut-through tester accurately measures insulation failure rates, 17966
 - electrical insulators, classification definitions, 18128
 - multilayer systems for temperature to 700° K, performance, 17943
 - panel thickness and noncombustible inserts effect on surface flammability of plywood, 8064
 - Teflon insulated wire, technique for stripping, 8471
 - tester automatically checks insulation of conductors in cables, 14369
 - thermal—
 - conductivity probes for insulations, 4201
 - cryogenic application, 17953
 - Federal item identification guide, 13917
 - wire—
 - and cable, current industrial reports, 5865
 - mechanical properties automatically determined, 17981
- see also* Heat shields—Soundproofing.
- Insulators:
 - electrical, Federal item identification guide, 17695
 - thermocouple-flexible cable connector insulator is highly reliable, 8403
- Insurance:
 - Canal Zone annual business report, 12032
 - contracts for medical care, recovery of excess funds accumulated, GAO review, 8145
 - facts for farmers, 11928
 - provide protection where reasonable rates not now available, hearing, 16402
 - riots or other civil disorders, insurance availability, hearing, 16402
 - see also* Reinsurance—*also* types of insurance.
- Insurance companies, *see* Life insurance companies.
- Insured banks, *see* Banks and banking.
- Insured loans, *see* Mortgages.
- Insured savings, *see* Banks and banking.
- Insurgency, Communist infrastructure in South Vietnam, organization and strategy, 13298
- Integral equations, *see* Equations.
- Integrals:
 - invariants—
 - non-existence, new methods of celestial mechanics, 9921
 - periodic solutions of 2d type, new methods of celestial mechanics, 11561
 - tungsten resonance absorption, determination by activation, 18012
- Integrated circuits, *see* Circuits.
- Integration (mathematics):
 - abscissas and weights for Gaussian quadrature, 5284
 - control equations and problem of small time constants, 8505
 - numerical—
 - differential equations, engineering exposé, 1503
 - methods for computing gas flow in chemical nonequilibrium, 15568
 - ordinary differential equations, finite difference methods, operations unification, 11559
 - self-starting procedure simplifies, 6745
 - see also* Mathematics.
- Integrators, easily set and reset with electronic switch, 11464

Intellectuals:

- ferment in Soviet Union, aspects, 4571
- USSR, aspects of intellectual ferment, study, print additional copies, report, 2098
- Intelligence (military science), *see* Military intelligence.
- Intelligence Operations Committee, Senate, create, report, 2090
- Intensity measurements of some fundamental absorption bands of H₂O, D₂O, and CS₂, 1550
- Intensity of sound, *see* Sound.
- Interaction effects of control jet exhausting radially from nose of ogive-cylinder body at transonic speeds, 5237
- Interaction of solids colliding at high speeds, USSR, 16744
- Interagency Boards of U.S. Civil Service Examiners, directory, 14860
- Interagency Committee on Oceanography:
 - ICO informal report, 2241
 - ICO pamphlet series, 1042, 7956-57, 8682, 17752-753
- Interagency training programs, *see* Government officials and employees.
- Inter-American Development Bank:
 - appropriations, 1967, law, 405
 - appropriations, 1968, hearings, 15014
 - executive directors, election, modification, special report, 13552
 - participation, U.S.—
 - annual report, 12200
 - increase—
 - hearings, 10640, 10832
 - law, 17542
 - reports, 10607, 13675, 15102, 16244, 16252
 - special report, 13552
 - role in Latin American agricultural development (remarks), 10121
 - social progress trust fund agreement, protocol, 2913
- Inter-American republics, *see* American republics.
- Interdepartmental Committee for Atmospheric Sciences, ICAS report, 9450
- Interdepartmental Committee on Status of Women, annual report, 15323
- Interest (psychology):
 - interest check list, instructions for administering and using, 16516
- Interest and usury:
 - adjust deposit accounts of enlisted members for lost interest—
 - law, 451
 - reports, 686, 932
 - banking markets and interest rates, evidence on concentration in, 14040
 - compound interest tables for long-term planning in forestry, 13212
 - cost effects of commercial bank underwriting of municipal revenue bonds, 16592
 - debentures, Federal intermediate credit banks, delete interest rate limitation—
 - hearing, 707
 - report, 633
 - Government economic policy (remarks), 5574
 - insured banks paid on savings, maximum interest rates, regulation, extend act—
 - hearings, 17595
 - law, 17541
 - report, 13816
 - insured banks, temporary ceilings, report, 648
 - Interest rates—
 - ceilings and future of residential financing (remarks), 7999
 - in capital markets, 6299
 - on business loans, revision in quarterly survey, 11059

Interest and usury—Continued

- Interest rates—continued
 - savings competition, and bank profitability (address), 11050
- Interest rates versus interest ceilings in allocation of credit flows (remarks), 4786
- loans to World War I veterans upon security of adjusted-service certificates, cancel unpaid interest—
 - law, 449
 - report, 918
- OASDI trust funds give additional interest earnings, provision of 1960, amendments, 7116
- payment of interest on deposits, Federal reserve regulation Q, 6301
- Interest equalization tax act:
 - extend—
 - digest of testimony and statements—9176
 - hearings, 6047, 13859
 - law, 13539
 - legislative histories of P.L. 90-59 and P.L. 89-243, 15052
 - reports, 7670, 7708, 13689, 13823
- Interest rates, *see* Interest and usury.

Interfaces:

- dynamics of cryogenic liquid experiments in orbit, 2608
- interfacial behavior following termination of outflow in weightlessness, 8501
- liquid, mass transfer through, mechanism, 8215
- SPAD formatter, buffer interface between satellite prediction computer and display, 8593
- Interferometers, sound speed by iterative reflection-interferometry, 9983
- Interferon, formation in animal organism, characteristics, USSR study, 4989
- Intergovernmental Affairs Council, National, *see* National Intergovernmental Affairs Council.

Intergovernmental Committee for European Migration, observations, findings, and recommendations, report, 14984

Intergovernmental Maritime Consultative Organization:

- convention, amendments, text, 13725, 17233
- 3d extraordinary session, report of congressional delegation, 16234

Intergovernmental relations:

- Census Bureau's program on Federal statistics for planning needs of State and local governments (paper), 10383
- condition of American federalism, historian's view, 4638
- elementary and secondary education act, administrative relationships, hearings, 17664
- Federal role in urban affairs, hearings, 2117, 4640, 6111, 9316, 10841, 13865, 15157, 16412-413
- print additional copies, reports, 10789, 13650
- Federal system as seen by Federal aid officials, results of questionnaire, print additional copies, reports, 4597, 10585
- Improving cooperation in management of Federal assistance programs, hearings, 4639, 13864
- Intergovernmental cooperation act of 1965, hearings, 735
- Intergovernmental cooperation act of 1967, hearings, 13864
- Intergovernmental manpower act of 1967, hearings, 12409
- Intergovernmental personnel act of 1967, hearings, 12409
- interlocal agreements and contracts handbook, information report, 8801

Intergovernmental relations—Continued

- metropolitan America, challenge to federalism, study by Advisory Commission on Intergovernmental Relations, 2048
- print additional copies, report, 10590, 10785
- revenue sharing and its alternatives, what future for fiscal federalism?—
 - articles, 13546
 - hearings, 16149
- study, authorization, report, 6074
- urban development intergovernmental awards program, 14187
- Intergovernmental Relations, Advisory Commission on, *see* Advisory Commission on Intergovernmental Relations.
- Intergranular metal phase increases thermal shock resistance of ceramic coating, 6811
- Interindustry economics, *see* Linear programming.
- Interindustry labor mobility in United States, 13119
- Interior and Insular Affairs Committee, House:
 - accomplishments, 89th Congress, 4545
 - calendar, 3478
 - committee print, 4545
 - hearings, 2050-52, 4546, 7749, 9162, 10655-658, 12302-303, 13708, 15037-40, 17604
 - investigations and studies—
 - authorization, report, 6018
 - expenses, report, 7719
 - reports, 530, 625, 636, 642, 649, 2015, 4494, 4503, 7702, 7714, 7731, 9096, 9113-15, 9135, 10524-528, 10561, 10578-579, 12243-244, 12247, 12261-262, 12268, 12278, 13627, 13632, 13671, 13679, 14932, 14935, 14950, 14962, 14967, 14970, 14977, 14985, 15002-7, 16165, 16226, 16233, 16237-240, 16243, 16283, 16286, 16288-289
 - rules, 6039
- Interior and Insular Affairs Committee, Senate:
 - calendar, 3497
 - committee print, 2124
 - hearings, 2123, 4643-44, 6113, 7811-15, 9318-23, 10851-855, 12410-413, 13868-870, 15160-164, 16417-418, 17624, 17656-657
 - Investigations and studies, authorization, report, 4623
 - reports, 753, 873, 875, 880, 881, 912-913, 2086, 4613, 6078, 7777-80, 9263-67, 9269, 9273, 10704, 10733-735, 10737-740, 10750-753, 10790, 12324, 12328, 12361-362, 12375, 13826-830, 13832, 13835-836, 15074, 15078-79, 15081, 15094, 15097, 15109, 15111-120, 15122-123, 15134, 17627, 17629-631
- Interior Department:
 - America's department of natural resources, activities, etc., 2391
 - appropriations, 1967—
 - law, 403
 - supplemental, hearings, 2040
 - appropriations, 1968—
 - budget amendment, 10515
 - hearings, 7734, 9143, 9302, 16393
 - law, 12170
 - reports, 10560, 10766, 12252, 13678
 - code of Federal regulations, 12527
 - cooperative water resources, research and training, report, 6438
 - decisions, 3426
 - bound volume, 17845
 - contract appeals, 3427
 - index-digest, quarterly, 3430
 - Indian appeals, 3428
 - land appeals, 3429
 - develop production of fish protein concentrate, law, 415
 - investigate feasibility of water resource development proposals, reports, 2015, 12362, 16240

INDEX 1967

Interior Department—Continued

lands administered, classify for disposal or interim management under multiple use principles, law, implement, hearing, 10853
 Library, list of accessions, 3509
 management analyst development program, 9586
 Missouri River Basin, progress, quarterly report, 3777
 mobilization programs, hearing, 14916
 nuclear power-desalting project, authorize—
 hearings, 7749, 7813
 law, 10487
 reports, 6078, 7731, 9125
 nuclear power-desalting project in cooperation with AEC, authorize—
 law, 375
 report, 675
 policies, programs, and activities, hearings, 10655
 press releases, 3737
 research contracts, authority to enter into—
 law, 390
 report, 880
 role as it involves petroleum industry (remarks), 8208
 saline water research and development progress reports, 1140, 2393-96, 4915, 6440-51, 8211-16, 9588-94, 11217-218, 12641-645, 14196-200, 15326-333, 16718, 17848-849
 scientific programs, hearing, 17657
 study control of jellyfish and other such pests—
 hearing, 4635
 law, 434
 report, 671
 subjects, publications list, 7051
 telephone directory, 17850
 Under Secretary, nominations—
 Black, David S., hearing, 15161
 Luce, Charles F., hearing, 4644
 Interlaboratory Technical Advisory Committee, report, routine surveillance of radioactivity around nuclear facilities, 7065
 Interlocking directorates:
 commercial banks and interlocks among financial institutions, control staff report, 15018
 communications carriers, applications, FCC rules and regulations, 3279
 Intermediate credit banks, *see* Federal intermediate credit banks.
 Intermountain Forest and Range Experiment Station:
 publications, list, 9532
 publications on genetics and breeding of forest trees, 1921-65, bibliography, 4827
 Intermountain region:
 Forest Service, yearbook, national forests in profile, 15280
 iron and steel scrap, processing and marketing, 16855
 national forest ski areas, Americas winter playground, 6372
 vascular plants, checklist, 14125
 Internal combustion engines, *see* Engines.
 Internal Compton effect, 1430
 Internal revenue:
 act of 1962, legislative history of H.R. 10650, 4564, 7760
 act of 1964, legislative history of H.R. 8363, 756
 code of Federal regulations, 6281-82, 6293-94, 7979-81, 7988, 8222, 9464-67, 11039-40, 11225
 code of 1954, amend—
 hearings, 6047, 7763, 10684, 16408
 laws, 360, 425, 452, 513, 1970, 16129, 16134
 legislative history of H.R. 10650, 87th Congress, 4564, 7760

Internal revenue—Continued

code of 1954, amend—continued
 reports, 702, 2022-2024, 2027, 2094, 2097, 2099, 7690, 7693, 7698, 9088, 9091, 15091-92
 Senate amendments, summary, 4567
 code of 1958, amend, law, 406
 customs decisions, weekly report, 3977
 internal revenue bulletin, 3431
 index-digest quarterly system, 16722
 semiannual cumulative, 1144, 12648
 procedure and administration, IRS, loose-leaf regulations system, 1146, 4918, 6458, 12650, 14203-204, 15335, 17852
 refunds and credits of taxes, report, 9057
 see also names of certain taxes, e.g. Excise taxes.
 Internal revenue agents, examination announcements, 16067, 16069
 Internal Revenue Service:
 abuses by agents, charges, hearings, 15015
 career and sense of purpose, 2399
 career opportunities—
 digital computer systems trainee, 6454
 estate tax examiners, 2404
 internal auditor, 2405
 international taxation, 8217
 programmers, 6459
 revenue agent, 1147
 revenue officer, 2409
 secretarial, in Washington, D.C., 11223
 tax law specialist, 6463
 tax technician, 1148
 tax work, 2400
 circulars, 2401-2
 efforts against organized crime, hearings, 13706
 excise tax exemption on beer and tobacco products for certain consumers, GAO review, 9554
 executive selection and development program, 1141, 9595
 income tax returns, file directly to service centers—
 law, 427
 report, 902
 looseleaf regulations system—
 employment tax, 2407, 3527, 6457, 9598
 estate and gift tax, 3526
 excise taxes, 1145, 3528, 4917, 8219, 11222, 15334
 income tax, 2406, 3525, 6455-56, 8218, 9597, 11220-221, 12649, 14202, 16723, 17851
 procedure and administration, 1146, 3529, 4918, 6458, 12650, 14203-204, 15335, 17852
 opportunities for increasing revenues by improving controls etc., relating to interest paid on Federal income tax refunds, GAO report, 2344
 opportunities for reducing costs on refunds attributable to net operating loss deductions, GAO report, 11149
 principal Federal tax returns, related forms, and publications, description, 12647
 procedures, 12651-652, 14205
 report, 1966—
 departmental edition, 2403
 document edition, 2011
 travel, entertainment and gift expenses, rules for deducting from income tax, 2410
 Internal Revenue Taxation Joint Committee:
 estimates of Federal receipts, 10686
 Federal excise tax data, 10687
 summary of—
 act temporarily suspending investment credit and limiting use of accelerated depreciation, 4566
 foreign investors tax act, 9177
 Senate amendments to H.R. 13103, Foreign investors tax act of 1966.
 Presidential election campaign fund act, etc., 4567

- Internal Revenue Taxation Joint Committee—Continued
summary of—continued
Senate amendments to H.R. 17607, suspensions of investment credit and accelerated depreciation, 4568
Internal security, *see* National security.
Internal structure and physics of earth, 9920
International affairs, *see* International relations.
International Affairs Institute, establish, hearings, 9156
International agreements:
in force, list, 7194
treaties and other international agreements, 14691
see also subjects, names of countries, etc.
International agricultural development, monthly newsletter to cooperators, 3432
International Agricultural Development Service:
annual summary, International agricultural development, 6464
appropriations, 1968, hearings, 10629, 12397
International Air Transport Association, role in growth and development of air transportation throughout world (remarks), 1900
International aspects of antitrust, hearings, 7818, 13874
International Association of Chiefs of Police, highway safety study, Operation 66, joint engineering-enforcement project report, 1594
International Association of Governmental Labor Officials, 1966 convention proceedings, 11301
International Association of Machinists and Aerospace Workers, emergency board report, 13966
International Astronomical Union, IAU system of astronomical constants into Astronomical ephemeris and into American ephemeris and nautical almanac, 6995
International Atomic Energy Agency:
application of safeguards to cooperation, agreement with—
Argentina, 2893
Australia, 7160
Israel, 5533
South Africa, 17240
Spain, 8736
promise of IAEA (remarks), 15972
U.S. participation, 1963, report, 5528
International Bank for Reconstruction and Development, participation of U.S., annual report, 12200
International Biological Program, hearings, 17612
International boundary studies, 1630-33, 2883, 8718, 11829, 17224-225
International Brotherhood of Electrical Workers, emergency board report, 13966
International cataloging, Federal manual for supply cataloging, 4669
International Center for Advanced Study in Health Sciences, building, etc., construction, appropriations, 1968, amendments, 10517
International Center for National Capital, 11594
International Civil Aviation Organization, financing air navigation services in Iceland, agreement, 7158
International claims settlement act, *see* Claims.
International commerce (periodical), 3434 supplements, 2417, 17853
International Commerce Bureau:
foreign market reports service, listing, 12633
international business publications, checklist, 6467, 15339
International Commerce Bureau—Continued
Paris Air Show—
news fillers, 8225
newsletter, 8226
press releases, 3738
International Convention for Conservation of Atlantic Tunas, report, 6064
International Convention for Prevention of Pollution of Sea by Oil, amendments, implementing, hearings, 745
International Convention on Safety of Life at Sea, amendments to 1960 convention—report, 7773
text, 6062
International cooperation:
geodetic operations in U.S. and in other areas, report, 14873
programs advancing status of women, reports of U.S. Government agencies, 8793
International Cooperative Investigations of Tropical Atlantic, Equalant III, data report, 8569
International Cotton Institute, *see* International Institute for Cotton.
International Council for Exploration of Sea, convention, report, 6064
International Criminal Police Organization, participation of U.S., amend law, report, 13680
International Development Agency:
AID story, U.S. economic aid program, 6468
biographic register, 14670
Deputy Administrator, nomination of Rutherford M. Poats, hearing, 9312
development of cooperative enterprises under foreign assistance act of 1961, report, 13700
economic development projects in India, planning and surveillance, GAO report, 16669
field staff, Foreign Service list, 3349
food donated for distribution abroad, problems in processing claims against voluntary relief agencies for loss or misuse, GAO report, 12589
food donation programs administered by nonprofit organizations, audit extent, GAO report, 8149
operations report, 3659
press releases, 3739
procurement regulations, 2994, 17855-856
projects in Colombia, planning and supervision, GAO review, 16677
proposed foreign aid program, 1968, summary presentation to Congress, 11230
reorganization, message from the President, 6000
retirees, prospective, general information for, 8721
specific risk investment guaranty handbook, 4925
telephone directory, 15764
transportation costs for food donated for overseas distribution, GAO review, 9550
United States agencies in Vietnam, audit and inspection programs, 1966, GAO review, 9553
Vietnam commercial import program, management and operation, GAO review, 15302
Vietnam, improper practices, commodity import program, U.S. foreign aid, hearings, 10844
International Development Association:
appropriations, 1967, law, 405
appropriations, 1968, hearings, 15014
participation of U.S., annual report, 12200
International education, *see* Education.
International Educational and Cultural Affairs, Advisory Commission on, *see* Advisory Commission on International Educational and Cultural Affairs.

INDEX 1967

- International exchange:
 - educational and cultural exchange-of-persons program, 4080-81, 14678
 - educational, opening decades 1946-66, history, accomplishments, etc., 4819
 - teacher exchange program, 13958
 - see also Government publications—also subjects.
- International Federation of Automatic Control, 3d Congress, 2431
- International Finance Corporation, participation of U.S., annual report, 12200
- International Human Rights Year, U.S. observance, report, 12386
- International Hydrographic Bureau, convention, message from President of United States, 17618
- International Hydrographic Organization, establish, message from President of United States, 17618
- International Hydrological Decade, program, crucial importance of water in man's future, 6396
- International Institute for Cotton agreement, 8738
- International labor (periodical), 3436
- International Labor Affairs Bureau activities, outline, 6470
- International Labor Conference, 49th conventions adopted and recommendations, 16160
- International Labor Organization:
 - conference in Geneva—
 - appoint delegates to attend, report, 10604
 - recommendation concerning role of co-operatives, text, 13554
 - conventions adopted and recommendations, 16160
 - recommendation, employment of women with family responsibilities, 5990
 - recommendations, and convention adopted at conference, withdrawal of treaty, text, 15064
- International law:
 - economic relations and rule of law (remarks), 10120
 - studies, 11683
- International Law, Private, Hague Conference on, see Hague Conference on Private International Law.
- International Monetary and Financial Policies, National Advisory Council on, see National Advisory Council on International Monetary and Financial Policies.
- International Monetary Fund:
 - facility based on special drawing rights, outline plan, hearing, 17563
 - outline plan (remarks), 17271
 - participation of U.S., annual report, 12200
- International notams, 3437, 9445
- International organization and conference series, 5528-30, 8719-20, 11830, 14679, 18232
- International organizations:
 - headquarters, acquisition of property by D.C. government for sites, report, 7701
 - private participation in international activities, promote, hearings, 9156
 - public exempt from District of Columbia unemployment compensation act, amend, report, 16293
 - services for disabled, through international cooperation (remarks), 11705
 - U.S. contributions, 518
 - U.S. missions, field staffs, Foreign Service list, 3349
- International Paper Company, Southern Kraft Division, wage chronology, 8315
- International policy, see International relations.
- International postal service:
 - directory of international mail, 3211, 10027
 - international mail, general information, 14608
- International Quiet Sun Year, 1964-65, weekly synoptic analyses, 5-, 2- and 0.4-MB. surfaces for 1964, data from Meteorological Rocket Network, 10968
- International relations:
 - arms sales and foreign policy, study, 6098
- Atlantic alliance—
 - current views, 10838
 - unfinished business, 6108
- changing American attitudes toward foreign policy, hearing, 6100
- code of Federal regulations, 7978
- conflicts between U.S. capabilities and foreign commitments, hearing, 6102
- control of local conflict, design study, 15924
- defense commitments of U.S. (statement), 1628
- diplomatic relations act of 1967—
 - hearing, 10831
 - report, 12387
- East-West relations—
 - constructive initiatives (address), 10099
 - recent developments, hearing, 4533
- foreign affairs research, Governmental resources, directory, 17221
- foreign aid, essential element of U.S. foreign policy (address), 18231
- foreign policy briefs, 3348
- foreign policy of U.S.—
 - American foreign policy, current documents, 8705, 17211
 - investigation—
 - authorization, reports, 4627, 7663
 - expenses, reports, 639, 7725
 - State Department bulletin, 3198
- foreign relations of U.S., diplomatic papers—
 - China, 1944 —
 - departmental edition, 13140
 - document edition, 12192
 - general, 1944—
 - departmental edition, 5527, 13139
 - document edition, 4464, 12191
 - general, United Nations, 1945—
 - departmental edition, 18230
 - document edition, 17565
- foreign relations of U.S., publications, price list, 7054
- foreign trade—
 - future of U.S. policy—
 - hearings, 16146
 - subcommittee report, 16147
 - issues and objectives of U.S. policy, statements, compendium, 16148
- general foreign policy series, 1628-29, 2881-82, 7146-47, 14676, 18231
- German foreign policy documents, 3d Reich, 1st phase, 1625
- government, universities, and international affairs, crisis in identity, report, 10516
- how foreign policy is made, 2881
- idea of amelioration (address), 9011
- implications of change for United States foreign policy (remarks), 14676
- in search of peace, basic goals of United States foreign policy, motion picture announcement, 7149
- international information and cultural series, 7150, 14678, 17226
- Kennedy Round, foreign policy aspects—
 - hearings, 730, 10650
 - subcommittee report, 10651
- Latin America, United States operations, review, 7770
- legislation on foreign relations, collection, 6106
- military security and foreign relations, regulations, Engineers Corps, 6206
- modern communications and foreign policy, report, 10623
- new man for new age in world affairs (remarks), 18243

- International relations—Continued
opportunities and risks of financing world progress (remarks), 7210
phases in USSR foreign policy, 1279
power and responsibility (address), 5530
science, foreign affairs, and State Department (address), 14671
science, government, and international policy, Panel on Science and Technology, 8th meeting—
papers, 12315
proceedings, 9170
Soviet-Arab contradictions in their relations with Israel, 14241
strategic importance of Western Europe, 5614
United States and the world, introduction to our foreign relations, color filmstrip, teacher's manual, 5553
United States commitments to foreign powers hearings, 17652
United States-European relations, study and reevaluation, hearings, 13863
United States policy in Near East crisis, 14680
United States should substantially reduce its foreign policy commitments, national high school debate topic, 2002
United States-South African, hearings, print additional copies, report, 13655
USSR, faithfulness to international obligations, 14267
USSR international economic relations, translations, 4024
Vienna convention on diplomatic relations act of 1967, report, 12387
Vietnam, shipping policy review, hearings, 743
winning cold war, U.S. ideological offensive, hearings, 10623
world affairs overall viewpoint (address), 7902
worldwide military commitments, hearings, 944, 10816
International Research Group on Refuge Disposal, information bulletins, 2827
International science notes (periodical), 3439
International Statistical Programs Office, series ISPO 1, 182, 1885, 4360, 5898-99, 7496, 10387
International sugar agreement of 1958, protocol, prolongation, text, 2885, 9186
International Symposium on Nucleolus, participants and addresses, 7074
International Systems Research, Center for, see Center for International Systems Research
International trade, see Commerce
International Whaling Commission, convention, amendments to schedules, 7161
International wheat agreement, extension protocol, 17246
Interns, see Dentists—Physicians
Interoceanic Canal Study Commission, see Atlantic-Pacific Interoceanic Canal Study Commission
Interparliamentary Group, Canada-United States, see Canada-United States Interparliamentary Group
Interparliamentary Group, Mexico-United States, see Mexico-United States Interparliamentary Group
Interplanetary dust outer ionosphere and its transition to interplanetary medium, USSR study, 6535
Interplanetary medium, see Interplanetary dust
Interplanetary vehicles, see Spacecraft
Interpolation tables of folded sin x/x coefficients, 4413
Interpretation (law), see Law
Interpretation of Mandan culture history, 11973, 12193
Interpretative bulletins, Wage and Hour and Public Contracts Divisions, 11897, 13178
Interstate agreements:
Arizona-California boundary compact, consent of Congress, report, 4493
bus taxation proration, Massachusetts, consent of Congress—
law, 440
Great Lakes basin, consent to compact, hearings, 731
oil and gas compact, consent of Congress to extend—
hearing, 15042
report, 10737
report of Attorney General, 15431
personnel training, authorize compacts, hearings, 12409
Washington Metropolitan Area Transit Authority compact, approval—
hearing, 2132
law, 478
report, 654
Interstate and Foreign Commerce Committee, House:
activities, 89th Congress, 2d session, 4515
calendar, 3479
committee print, 4547
hearings, 2053, 9163, 10659-660, 12301-305, 13709-710, 15041-43, 17605
investigations and studies—
authorization, report, 6022
expenses, report, 7727
reports, 680, 2035, 4515, 9112, 9136, 10567, 12259, 13663, 14971, 14980, 16230
Interstate commerce, see Commerce
Interstate commerce act, see Carriers—Railroads
Interstate Commerce Commission:
appropriations, 1967, proposal, 10699
appropriations, 1968—
hearings, 9145, 15147
reports, 10600, 15131
commissioners, nominations—
Hardin, Dale W., hearing, 15153
Syphers, Grant E., hearing, 15153
decisions (bound reports), 2421, 6474, 14210, 16727, 17857
decisions (separates)—
finance, 3440
motor carrier, 3441
motor carrier finance, 3442
traffic, 3443
report, 1965, errata, 2420
report, 1966—
departmental edition, 6471
document edition, 5981
transfer—
law, 389
report, 906
Interstate Commission on Potomac River Basin:
appropriations, 1967, law, 491
appropriations, 1968—
hearings, 9144
report, 13678
Interstate compacts, see Interstate agreements
Interstate Conference on Labor Statistics, proceedings of 24th conference, 15454
Interviewing:
guides for specific disabilities, 10944
interview data on chronic conditions compared with information derived from medical records, 11762
progress interview, helps for management in counseling people about their work, 6373
Intestinal flora:
effect of diet and atmosphere—
experimental data, 9799
literature survey, 2613
Intestines, tumors, pathology, 15181
Intoxicants, see Liquors
Intoxication, see Drunkenness—also names of poisons
Intra-aortic blood pressure, see Blood pressure

INDEX 1967

- Intracoastal Waterway:
 - Gulf, Gulf County Canal, Fla., modification, engineer report—
 - departmental edition, 2209
 - document edition, 1998
- Gulf section, New Orleans, La., to Port Arthur, Tex., etc., navigation maps, 8383
- Gulf, transportation lines, 2219
- Inulin, stability in frozen plasma using automated technic, 4185
- Invariants, *see* Integrals.
- Inventious:
 - index of patents, 1966, subjects, 11687
 - products list circular, new products development for small business, 3775
- Inventories:
 - accounting system for aeronautical equipment, Navy Dept., GAO review, 16676
 - control, cooperative grain elevators, 15235
 - department store, price indexes, 6614
 - executive inventory, questions and answers for executives, 10419
 - Government-owned property in U.S., Territories, etc., 4540
 - green coffee, 3384
 - livestock and poultry, 5682, 7198
 - manufacturers—
 - current industrial reports, 3540
 - 1963 census, 4275
 - value, annual survey of manufactures, 7454
 - National Oceanographic Data Center, archived data, Arctic and Antarctic supplement, 6996
 - plant, material received by New Crops Research Branch, 8810, 15828
 - preliminary inventories series, 14506-510, 18074
 - real property—
 - leased to U.S. throughout world, 11160
 - owned by U.S. throughout world, 1966, report, 6386
 - road inventory manual of instructions, guide, 17177
 - shortleaf pine seedling methods on broadcast-seeded areas, 8072
 - size, determined by computer program, 2641
 - tuna and swordfish, exploratory longline fishing efforts and catch rates in northwestern Atlantic, 14063
 - turkeys, 13158
- Inverters, static, 3-phase single-way, power circuits for optimum stepped-wave output, 10008
- Investigators, CSC career opportunity, 207 *see also* Criminal investigators.
- Investment companies:
 - act of 1940—
 - amend, hearings, 15152
 - SEC releases, 3445
 - growth, public policy implications, report, 2035
 - mutual fund legislation of 1967, hearings, 15152
 - small business—
 - examination function of SBA, GAO review, 16675
 - investigation, hearings, 10845
 - program of SBA, report, 4509
 - program, review, hearings, 2062
 - small business investment act—
 - amendments of 1966—
 - law, 483
 - report, 4588
 - amendments of 1967—
 - hearings, 10820, 15020
 - law, 17549
 - reports, 12391, 14961, 14982, 16261
 - text and related tax matters, 9330
- Investment for tomorrow, report of Presidential Task Force on Career Advancement, 7046
- Investment in poor people, 5014
- Investments:
 - catalog of investment information and opportunities, index, 1150, 14208
 - deletion notices, 3079
 - supplement notices, 3080
 - credit carrybacks, income tax, amend law, report, 15093
 - direct, voluntary program, status and prospects (remarks), 5964, 7585
 - disputes, settlement, convention, 2922
 - implement, report, 2093
 - District of Columbia, legal investments for trust funds, list, 6157, 15201
 - forestry, long-term, computer program for evaluating, 14131
 - guaranties, agreement with—
 - British Guiana, 2887
 - Cameroon, 11868
 - Ghana, 10104
 - India, 2909
 - Lesotho, 11865
 - Malta, 8748
 - Paraguay, 7187
 - Philippines, 5544
 - Zambia, 2933
 - institutional funds in FIIA insured mortgages, 12626
 - international encouragement, convention with Trinidad and Tobago—
 - hearing, 17651
 - reports, 6063, 17620
 - investment advisors act of 1940—
 - amend, hearings, 15152
 - rules and regulations, 8677
 - SEC releases, 3444
 - investment credit, income tax information, 4916
 - nonfarm mortgages, life insurance companies, 15241
 - overseas, aids to business, 1152
 - quick refunds of investment credit carryback—
 - law, 1970
 - reports, 2023, 2097
 - restoration of investment credit and accelerated depreciation allowance—
 - hearings, etc., 7764, 7804
 - law, 12168
 - legislative history, 13719
 - message from the President, 9063
 - reports, 7711, 7713, 9271, 19614
 - specific risk investment guaranty hand book, 4925
 - suspension of investment credit, etc.—
 - hearings, 952
 - law, 504
 - summary, 4566
 - legislative history, 2064
 - report, 677
 - Senate amendments, summary, 4568
 - trade and investment in developing countries, report, 9026
 - United States investment of military assistance funds in military installations located in France, 9158
 - voluntary program for direct investments, status and prospects (remarks), 5964
- Investors:
 - foreign investors tax act of 1966—
 - House bill and suggested technical amendments, summary, 2114
 - law, 513
 - legislative history, 7762
 - report, 702
 - Senate amendments, summary, 4567
 - summary, 9177
- Inyo County, Calif.:
 - Birch Creek, travertine depositing stream, physical and chemical description, 8171
 - convey land to estate of Gwilym L. Morris, etc., 4494
 - Independence quadrangle, stratigraphy of Paleozoic formations, 2364
- Ioanes, Raymond A., talk, Nov. 14, 1966, 4818

- Iodides, content in oilfield brines in some Tertiary and Cretaceous formations in Mississippi and Alabama, 11385
- Iodine, use for reducing static electricity of polymers, 14411
- Iodine isotopes, iodine-131 concentration in aqueous samples determined by ion exchange, 12833
- Ion chambers, *see* Ionization chambers.
- Ion cyclotron wave generation in uniform and nonuniform plasma including electron inertia effects, 12962
- Ion exchange:
determines iodine-131 concentration in aqueous samples, 12833
membranes, inorganic, application to electrodialysis, 8214
structure and transport of polystyrenesulfonate model membranes, 9592
technology, Soviet research, 8254
- Ion exchangers, characteristics, USSR study, 9644
- Ion plating, *see* Plating.
- Ion thrusters:
electron-bombardment—
beam, measurement of ion and electron densities, 5244
dynamic characteristics, 18033
onset of anomalous diffusion, 2710
- mercury electron bombardment—
accelerator grid durability tests, 14462
cathode durability tests, 12960
oxide-cathode durability, 6867
- Ionite, USSR studies, 12749
- Ionization:
concerning use of highly ionized plasma to create a laser, USSR study, 4998
contact, of cesium, use porous ionizers, status, 11540
photoionization detector, improved soft X-ray, 9838
potentials, role of ligand molecules, research, 9588
probability of iron particles at meteoric velocities, 11406
surface ionization on glowing metals, theory, 11568
- Ionization chambers, ion chambers simplify absolute intensity measurements in vacuum ultraviolet, 1447
- Ionization gages:
Bayard-Alpert, variations in gage constant, emission current function, 6863
hot-cathode magnetron, 5185
orbitron, low pressure application, study, 16909
performance characteristics, survey, 5290
small volume, ultrahigh vacuum system, studies, 18037
- Ionized gases, *see* Gases.
- Ionizers, porous, for contact ionization of cesium, status, 11540
- Ionizing radiation:
applied spectrometry, main problems, 123
biological effects, bibliography, indexes, 13343
effects on concentration of amino compounds in rat plasma, 5714
exposed workers, assistance to States for recordkeeping, hearings, 1974
maximum permissible levels, USSR study, 11286
mechanism of action of AET, protection of DNA against ionizing radiation by GED, 5713
mutagenic activity of chemical compounds and genetic effect, USSR studies, 2438
powerful tool of scientific research, Bulgarian study, 4940
pulsed, effects on primate equilibrium function, 7354
State legislation and regulations involving, 7093
substrate protection of enolase and lactic dehydrogenase against mechanism, studies, 14774
- Ionosphere:
disturbances, principles of predicting, USSR manual, 14237
earth cavity, thin shell model, resonances, 2225
earth-ionosphere waveguide channel, propagation of long and superlong radio waves, USSR excerpt, 17813
electron densities and scale heights recorded at Hawaii, 6736
electron density and scale heights over American continents, 2617
summary graphs, 16930
F2 layer, diurnal variation, influence of earth's magnetic field, 8512
Gemini experiment D-14, dual-channel, VHF-UHF transmitter, 10004
Gemini VHF-UHF polarization experiment D-14, antennas, 10009
high frequency ionospheric telecommunications systems, statistical performance indexes, predicting, 2223
ionospheric mapping by numerical methods, advances, erratum, 8526
ionospheric predictions (periodical), 3446
lunar, detection, results of experiments made on 1st lunar artificial satellite, USSR study, 4950
outer, and its transition to interplanetary medium, USSR study, 6533
planetary, investigation, 12847
polar cap, cooperative study, agreement with Canada, 17248
- Ions:
cation effect on solubilization by oil-soluble sulfonates and applicability of mass law, 17095
electrode, use in measurement of serum ionic calcium, 13271
hydrated multivalent cations, new class of molten salt mixtures, 9794
improved ion sources, 9817
ion-microprobe sputter source, mass spectrometer analysis of solid materials, 5178
ionic conductivity of calcium and strontium fluorides, 6866
magnetic fields, use to produce ionic concentration gradients, 9589
transport in biological systems, model membrane studies, 6443
volume production costs in tenuous plasmas, 15577
see also ions by name, e.g., Magnesium.
- Iowa:
area measurement report, 5811
census of agriculture, 1964, State and county statistics, 10392
census of manufactures, 1963, area statistics, 156
census of mineral industries, 1963, area statistics, 5827
climate, 9425
climatological data, 3096
county business patterns, 1862, 13372
electric rate book, 14028
mineral industry, minerals yearbook, chapter, 2554
postal map, 15654
precipitation data, hourly, 3401
southwestern, landscape evolution and soil formation, 14763
western, promising conifers, 8107
Iowa County, Iowa, soil survey, 14657
Iowa Indians, Iowa Tribes of Kansas and Nebraska and of Oklahoma, judgment funds, disposition, report, 16238
Ipswich River and Valley, water resources of basin, 6411
IQSY, *see* International Quiet Sun Year, 1964-65.
IR, *see* Infrared rays.
- Iran:
agricultural commodities, agreement, 8737
atomic energy, cooperation for civil uses agreement, 10103

Iran—Continued

- attacks oil consortium, 4972
- background notes, 1616
- capsule facts for Armed Forces, 11980
- establishing business in, 13467
- foreign trade regulations, 17474
- mineral industry, minerals yearbook chapter, 8353
- press information report, 3702
- Iraq:**
 - agricultural commodities, agreement, 11844
 - capsule facts for Armed Forces, 13280
 - Communist movement, 14261
 - southwestern, geology, 6407
- IRATS, see** Infrared Acquisition and Tracking System.
- Irazú** Volcano, ash eruptions, debris flow and erosion control problems, 16686
- Ireland:**
 - economy, basic data, 5955
 - mineral industry, minerals yearbook chapter, 12802
- IRGRD, see** International Research Group on Refuse Disposal.
- Iribe, P.,** extravehicular protection and operations, study, 12859
- Iridium:**
 - electrodeposition from fused sodium cyanide and aqueous electrolytes, 16865
 - sliding friction, 15578
- Irigoyen, Ramon G.,** relief, 12351
- Iris** diaphragm, diode-iris controlled waveguide slot radiators, feasibility study, 9812
- Irkutsk, Russian SFSR,** new Soviet academic settlement, 9637
- Iron:**
 - and steel, minerals yearbook chapter, 2544
 - and steel scrap—
 - intermountain and northwestern Plains States, processing and marketing, 16855
 - Southeast, sources, consumption, etc., 12797
 - chromium alloys, preparation, 5364
 - cobalt alloy—
 - magnetically soft, high-temperature, investigation, 1500
 - with superior high temperature magnetic properties, 5209
 - compounds, chemical shift in Mossbauer spectroscopy standard, 15588
 - diffusion barrier in thermally regenerative galvanic cell, 12843
 - foundaries, current industrial reports, 4329
 - gage of 6.5% Si-Fe sheet is chemically reduced, 2624
 - heat treatment and properties, 2739
 - identification symbols, Communist China, 6547
 - industry, water requirements, 12617
 - Lake Superior resources, 6678
 - Michigan-Wisconsin formations, samples and metallurgical evaluation, 6678
- ore—**
 - deposits, Wyoming, description, etc., 5104
 - developing thermochemical model for blast furnace, measurement of rate coefficient for reduction of iron ore pellets in packed bed, 17915
 - Lake Superior resources, 14346
 - mineral industry survey, 3447, 9788
 - minerals yearbook chapter, 6641
 - particles at meteoric velocities, ionization probability, 11406
 - Pederson process adaptation to ferruginous bauxites of Pacific Northwest, 9788
 - processing of high-iron Arkansas bauxite ores, 9766
 - products, identification markings, Federal standard, 2269

Iron—Continued

- pure, residual resistance ratio, 5348
- trade and tariff information, summaries, 18237
- see also* Cast iron.
- iron castings, *see* Castings.
- Iron County, Mich., geology of Kelso Junction quadrangle, 6392
- Iron garnets, *see* Garnet.
- iron ores, *see* Iron—also name of special iron ore, e.g., Hematite.
- Iron oxides:**
 - electron optical survey of films produced in H₂O, LiOH, and LiOH/EDTA solutions, 8594
 - pigments, minerals yearbook chapter, 1399
- Iron Springs formation, Utah, geologic interpretation of aeromagnetic survey, 11173
- irradiated gases transferred without contamination or dilution, 8469
- Irradiation, see** Gamma rays—Neutrons—Radiation.
- Irradiation capsules, see** Radiation target cans.
- Irrigation:**
 - farm systems, planning, 14652
 - mosquito prevention on irrigated farma, 7261
 - operation and maintenance bulletin, 3448
 - pipe trailer, farm building plan, 1707
 - projects, water measurement manual, 11776
 - publications, price list, 8623
 - SCS national engineering handbook, 14652
 - sprinkler systems, description, buying, etc., 5638
 - Western States, quality of surface waters, 8185
 - wireworms on irrigated lands, control, etc., 10170
- Irrigation projects, see** Reclamation of land—also names of projects.
- Irrotational flow of frictionless fluids, mostly of invariable density, 11682
- IRS, see** Internal Revenue Service.
- Irwin, James H.,** geology and availability of ground water on Ute Mountain Indian Reservation, Colo. and N. Mex., 6409
- Is there a job in your future? 4687
- Isakson, G., discrete-element methods for plastic analysis of structures, 17933
- Isbister, John,** geology and hydrology of northeastern Nassau County, Long Island, N.Y., 4894
- Ischemia, myocardial,** electron-histochemical investigation, USSR study, 14219
- Isentropic process, flow, solutions for reacting gas mixtures in thermochemical equilibrium,** 16979
- Ishmael, George D.,** convey land to, 4494
- Ishmael, Verna H.,** convey land to, 4494
- Islam, see** Mohammedanism.
- Islamic Republic of Mauritania, see** Mauritania.
- Island Falls quadrangle, Maine,** bedrock, geological-geophysical investigations, 6401
- Island Park, Iowa,** accident, 11238
- Islands, see** names of islands.
- Isleta paintings, artist in pueblo society,** letters, etc., 14547
- Isocyanates process produces chlorinated aromatic isocyanate in high yield,** 6808
- Isolation effects of sensory deprivation on sensory perceptual, motor, cognitive, and physiological functions,** 8419
- Isolator, synthetic phase, signal processing technique, study,** 11397
- Isophellidae, see** Sea anemones.
- Isostatic compression process converts polyaromatics into structural material,** 12898
- Isothermal and isophotic atlas of moon, contours through lunation,** 16894
- Isotopes:**
 - alpha emitting, monoenergetic X-rays from, generation and practical use, 4234

Isotopes—Continued

- development program, AFC authorizing legislation, 1968, hearings, 10491
- fluorescent excitation using isotopic X-ray emission, 5779
- fractioning in underground nuclear blast, 1268
- isotopes and radiation technology, quarterly technical progress review, 3449
- isotopic preparations, report, 14518
- isotopic water current meters, DWICA's, 13328
- powerful tools of scientific research, Bulgarian study, 4940
- radioisotopes—
 - applications in hydrospace, final reports—
 - Dowtherm A heat transfer tests 5762
 - Dowtherm A Rankine cycle technology, 5761
 - fuel specifications, 1777
 - program plan, 1776
 - RISE conceptual design, 5760
 - biological sciences, annotated bibliography, 10304
 - effects on life processes, bibliography, indexes, 13343
 - experiments in high school biology, bibliography, 5797
 - gauge for monitoring suspended sediment concentration in rivers and streams, 1794
 - how to get license to use, 17405
 - power from, 7444
 - techniques for instruction in biological sciences, 8910
 - techniques, radiochemical analysis, 2746
 - use as power sources in Western Europe, 15416
 - systems development program, 8th annual contractor meeting, 13317
 - transuranium, formation in power reactors, 124
 - uranium and plutonium, isotopic composition in reactor fuel element solutions, 13333
 - visit to USSR isotope center, 16770
 - X-ray sources for portable stress analysis equipment, feasibility, 14809
 - see also names of isotopes, e.g., Neon.
- isotropy, plane isotropic buildup factors for bremsstrahlung calculations, 15565
- ISPO, see International Statistical Programs Office.
- Israel:
 - accessions list, Library of Congress, American Libraries Book Procurement Center, Tel-Aviv, 3450
 - agricultural commodities, agreement, 17245
 - atomic energy cooperation for civil uses, agreement, 5533, 7157
 - capsule facts for Armed Forces, 13281
 - cotton textiles trade, agreement, 11855
 - economy, basic data, 4434
 - education, Educational Foundation, and financing and exchange programs, agreement, 11874
 - extradition convention, correction of text, agreement, 13153
 - foreign trade regulations, 9020
 - labor law and practices, 16812
 - Lebanon armistice line, boundary study, 11829
 - modern education system, development, 6187
 - Soviet-Arab contradictions in their relations with Israel, 14241
 - today and tomorrow, 5025
 - United States policy in Near East crisis, 14680
 - United States travelers, you can assist U.S. balance of payments, 11887
 - war or peace in Middle East, study mission report, 10837

- Isthmian Canal, see Panama Canal.
- istle, suspension of duty, continue, report, 884
- Isurus, see Sharks.
- Itagaki, Kazuhiko, cloud droplet camera, 4202
- Italian physicist in North Vietnam tells of culture and civilization as bombs fall, 12699
- Italy:
 - background notes, 18222
 - claims of American nationals, timely determination, hearing, 12300
 - cotton velveteen fabrics exports, trade agreement, 11845
 - economy, basic data, 16107
 - educational foundation and financing of exchange programs, agreement, 11842
 - establishing business in, 17475
 - Italian Armed Forces, World War II records, guide, 17028
 - marriage documentary requirements for United States citizens in Italy, agreement, 15767
 - mineral industry, minerals yearbook chapter, 14333
 - scientific cooperation, agreement, 17231
 - U.S. Army, Southern European Task Force, personnel ordered to, helpful hints, DA pamphlet, 11991
- Item identification, see Identification.
- It's fun to yell bravo, Lincoln Center's program opens new world to teenagers, 12465
- It's the latest, it's the greatest, it's the li-ber-ee, 12466
- ITSA, see Institute for Telecommunication Sciences and Aeronomy.
- ITV (instructional television), see Television.
- Iverson, Henry G., reactions of manganese with silica, 6684
- Ivins, Robert A., relief, 307
- Ivory Coast:
 - economy, basic data, 13466
 - housing, basic information, 6419
 - labor conditions, 1375
 - mineral industry, minerals yearbook chapter, 8354
- Ivy, see Poison Ivy.
- Iwo Jima, Marines, battle and flag raising, 14311
- Izquierdo, Angel R. Ramos, see Reaud, Angel.
- Izvestiya VIZov (periodical):
 - instrument building, 3451

J

- J. Herschel LAC 11, lunar chart, 10224
- Jablonski, Stanley, Russian drug index, 8534A
- Jacchia, Luigi G., analysis of atmospheric trajectories of 413 precisely reduced photographic meteors, 18204
- Jack pine, see Pine.
- Jackpile mine, uranium deposits, etc., 8165
- Jackson, Andrew:
 - papers, index, 6623
 - 10-cent regular postage stamp (poster), 7041
- Jackson, Charles T., jr., validation of research simulator for investigating jet transport handling qualities and airworthiness criteria during takeoff, 1476
- Jackson, George T., soil survey of Warren County, Tenn., 17208
- Jackson, Glenn A., measuring human performance with parameter tracking version of crossover model, 17944
- Jackson, R. J., properties and current applications of magnesium-lithium alloys, 8441
- Jackson, Robert A., stability of proposed breakwater, Burns Waterway Harbor, Ind., hydraulic model investigation, 7933
- Jackson, Mias., area wage survey, 11314
- Jackson County, Ark., water resources, 14181

INDEX 1967

- Jacksonville, Fla., area wage survey, 9745
 Jacobsen, Carl R., basic data on economy of Costa Rica, 7578
 Jaffe, Arthur, review of occupational employment statistics, employment of scientific, professional, and technical personnel in State governments, 15450
 JAG Journal, 3452
 JAG law review, 3453
 Jahn, Otto L., degreening response of color-sorted Florida oranges, 17300
 Jamaica:
 agricultural production, indices, 4700
 background notes, 14665
 capsule facts for Armed Forces, 17368
 Cayman Islands, weather station, agreement with Great Britain, 7192
 economy, basic data, 13461
 exchange of official publications, agreement, 13145
 James, George A.:
 recreation use estimation on Forest Service lands in United States, 15284
 use of water-meter records to estimate recreation visits and use on developed sites, 12579
 James, Hugo A., range and variations of subspecies of *Cambarus longulus*, 6947
 James, Joseph, or heirs, relief, 610
 James, Lawrence W., sensitive recording NMR ultrasonic spectrometer, 2744
 James, Maurice T., species of *Hermatia* of aurata Group, 11609
 James, Thomas G., effects of electron irradiation from 20 KeV to 1 MeV on polyethylene terephthalate capacitor-type meteoroid detector, 1491
 James division, *see* Missouri River Basin project.
 Jameson, Donald A., juniper control by individual tree burning, 2313
 Jamison, D. E., command processors, 14479
 Jams:
 citizenship and strawberry jam, FSA's protective role in food industry, etc., 15272
 how to make at home, 5629
 Jane, Magaly, relief, 10722
 Japan:
 aluminum industry, 9015
 background notes, 15756
 economy, basic data, 5951
 Engineers Corps, technical services in war against, 5096
 establishing business in, 232
 fisheries—
 king crab, agreement, 7185
 off U.S. coast and salmon fisheries, agreement, 15794
 French bathyscaphe departs for Japan, 9631
 geodetic satellite observation station, agreements, 8732, 11867
 health information for travel, 13078
 Japanese Association for Radiation Research on Polymers, annual report, 5758
 loan of vessel, reduction, agreement, 17244
 market, U.S. farm products, competitive position, 995
 military personnel of U.S. Army ordered to, helpful hints, 7387
 mineral industry, minerals yearbook chapter, 12803
 mutual defense assistance, agreement, 15778
 northern part, sailing directions, change, 2771
 plant quarantine requirements, 5617
 tariff concessions, staging, amending agreement, 15802
 trade agreement relating to GATT, 5540
 trade with Japan (address), 1936
 visas, waiver of nonimmigrant fees, agreement, 2919
 Japan—Continued
 wages—
 joint United States-Japan wage study, 2489
 similarities and contrasts with U.S. system, 16827
 welding equipment industry, 12031
 World War II operations in southwest Pacific area, reports of Gen. MacArthur, 11992
 Japan Air Lines, Ltd., accident, 17059
 Japanese cooly trade laws, repeal, report, 7684
 Jaremenko, Igor M., wakes, their structure and influence upon aerodynamic decelerators, 9808
 Jarrell, Randall, lecture by Karl Shapiro, 12780
 Jarvis, Calvin R.:
 on-off rate command attitude control system of manned lunar-landing research vehicle, 9888
 operational experience with electronic flight control systems of lunar-landing research vehicle, 1496
 Jarvis, N. L., surface viscosity of polydimethylsiloxane monolayers, 8592
 Jaws, role of depressor mandibular muscle in kinesis of avian skull, 11610
 Jayson, Paul, naval aviation news, 3605
 JCH series, 4688, 7875-76, 9381, 12448
 JCS pub. series, 16730
 Jech, Robert W., fiber of oxides in refractory-metal matrices, 9900
 JEEP (joint engineering-enforcement project), *see* Operation 66.
 Jefferies, Kent S., nuclear reactor simulator for nonnuclear testing of space, power systems, 14487
 Jefferson County, Colo.:
 geology and uranium deposits of Ralston Buttes district, 15308
 geology of Eldorado Springs quadrangle, 11165
 Jefferson County, Ky., soil survey report, 8704
 Jefferson County, Mont.:
 geology and igneous petrology, 2367
 igneous geology, 2358
 Jefferson National Forest, establish Mount Rogers National Recreation Area as part, report, 2085
 Jefferson's manual, text, 7593, 10691
 Jeffrey pine, *see* Pine.
 Jellison, Robert A., relief, 325, 4579
 Jelly, how to make at home, 5629
 Jellyfish:
 and other such pests, control—
 hearing, 4635
 law, 434
 report, 671
 Jenkins, H. Neff, odors, air pollution survey, 5440
 Jenkins, Howard, jr.:
 addresses, etc.—
 Aug. 8, 1967, 14525
 Aug. 16, 1967, 15593
 Jenkins, Julian L., jr., transient blade motions of rotor with flapping and lead-lag degrees of freedom, 17010
 Jenkinson, Paul M., edgewise compressive properties of titanium and nickel-base sandwich constructions at elevated temperatures, 8102
 Jennette, Jo Ellen, project moneywise, role of credit unions in war on poverty, 9451
 Jensen, Albert T., brief history of New England offshore fisheries, 8021
 Jerez, Ernesto Sanchez, *see* Sanchez Jerez, Ernesto.
 Jersey cattle, *see* Cattle.
 Jersey City, N.J., area wage survey, 11326
 Jet aircraft, *see* Aircraft.
 Jet airplanes, *see* Airplanes.
 Jet ejectors, *see* Ejectors.

- Jet plumes:**
effects of jet plumbing on static stability of rocket models, 14467
effects on static stability of ballistic bodies at Mach number 6.00, 2691
- Jet shoes,** extravehicular space locomotion device, 8483
- Jet streams,** see Winds.
- Jets:**
circulation control airfoils by means of jets, 7408
free jet impingement normal to curved surface in vacuum, 9897
landing task in jet trainer with restricted fields of view, flight investigation, 11553
nose mounted control, exhausting radially from ogive-cylinder body, interaction effects, 5237
oblique impingement, effect on pressure fluctuations on flat plate, 14388
reaction jet damping and attitude control system for spinning body, simulation, 8485
refraction of sound by jet flow and jet temperature, 14389
secondary, from 2-dimensional nozzles, for hypersonic control application, 5266
see also Air Jets.
- Jetties:**
engineering and design manual, 12475
groin design variations, 16521
- Jewel bearings,** United States trade, 12030
- Jex, H. R.,** critical tracking task for man-machine research related to operator's effective delay time, 1426
- Jezewski, Donald J.,** impulsive solution in optimum trajectory problems with bounded thrust magnitude, 12963
- Jicarilla Apache Indian Reservation,** ground water resources of southern part and adjacent areas, 17829
- Jigs (machinery):**
aluminum, heat treatment stabilized after welding, 2625
- Jiji, Latif M.,** heat transfer and temperature distribution of conical porous membrane during planetary entry, 11554
- Job analysis:**
Air Force, impact of computer, 13268
Air Force officer position evaluation, development of benchmark scales, 5705
Air Force officers grade requirements project, Criterion Board ratings, predicting, 15891
airman jobs—
comparison of merited grade and skill level ratings, 4172
merited grade versus merited pay rankings, 7339
computation of group job descriptions from occupational survey data, 11951
conducting job hazard analysis, occupational safety aid, 9697, 16799
electronic engineers, job types, 4170
hazards, safety in industry, instructor outline, 14280
how to design positions for managers and staff participating in position design studies, 5724
job descriptions—
ARNG technician program, NGB pamphlet, change, 11597
publications, price list, 17133
job types of Air Force communications officers, 15892
- Job Corps:**
American business is hiring graduates, 2162
candidates, identifying, admissions manual, 4688
conservation centers, resident youth worker, examination announcement, 12111
economic opportunity act amendments—
law, 498
narrative summary, 9382
report, 17581
- Job Corps—Continued**
establishment, act, as amended, 7874
every girl needs chance to become somebody, 4686
facts, 4689
is there a job in your future? 4687
logistics handbook for Job Corps centers, 7875
men's and women's centers, facilities maintenance and utilities operations handbook, 7876
men's urban centers, vocational course entry requirements, 12448
staff code, 9381
staff newsletter, 3454
training disadvantaged young men for employment, they need to learn, can you help, 7878
VISTA servea, 6168
women's centers, facts, 10908
Job Corps Conservation Centers National Conference, report, 17846
Job descriptions, see Job analysis.
Job evaluation, see Job analysis.
Job printing shop, 15731
Job satisfaction:
and intent to re-enlist, effect of selected variables, 7370
factors, survey of maintenance airmen, 10241
Job where the action is, 4907
Jobs, see Civil service — Employment — Job analysis — Occupations — Training — Unemployed—Women—Work.
Joe Wheeler finds a job and learns about Social security, 14647
answer sheet, 14648
Joesting, H. R., regional geophysical investigations of Moab-Needles area, Utah, 2368
Johansen, R. W., reproducible system for evaluating forest fire retardants, 15288
John, James E. A., attainment of clean vacuum with one-watt refrigerator, 12930
John Day Lock and Dam:
compensation to Umatilla, Oreg., for losses due to project—
law, 485
report, 838
John Day River Bridge, Oregon, interstate route 80N, review of circumstances relating to collapse, GAO report, 4877
John F. Drews (vessel):
continue coastwise privileges, 312, 4577
John Fitzgerald Kennedy National Historic Site:
establish—
bearing, 9318
law, 10489
reports, 9113, 9269
John Hay, Camp, relinquishment of certain land areas, agreement with Philippines, 11843
John Muir National Historic Site, general information, 9961
Johnson, A. I.:
aquifer properties and well design for artificial recharge site, 1128
specific yield compilation, for various materials, 16701
Johnson, A. M., demineralization of saline water by environmentally modulated adsorption, 8212
Johnson, C. D., optimal and adaptive control theory, 8414
Johnson, David H., neotropical species of genus *Triplax* Herbst and review of genus *Haematochiton* Gorham, etc., 11608
Johnson, E. W., ornamental woody vines for southern Great Plains, 1688
Johnson, Edward E., review of mineral industries (metals and nonmetals except fuels), 6689
Johnson, G., detectors and calibration methods for remote sensing systems, 9809

INDEX 1967

- Johnson, Glenn E.:
hydrogen cyanide from reaction of coal with ammonia, 14349
use of coal and modified coals as adsorbents for removing organic contaminants from waste waters, 2588
- Johnson, H. M., motions in upper troposphere as revealed by satellite-observed cirrus formations, 9430
- Johnson, H. S., jr., uranium deposits of Moab, Monticello, White Canyon, and Monument Valley districts, Utah and Arizona, 6391
- Johnson, Harold K., testimony, hearings, 16394
- Johnson, Helen W., age of transition, rural youth in a changing society, 17305
- Johnson, Herbert W., growing soybeans, 8828
- Johnson, Hugh A.:
outdoor recreation and associated research needs for suburban forests, 7888
publications on outdoor recreation research, 13945
toward measuring intangible values of natural beauty, 12461
- Johnson, J. A., experimental investigation of direct freeze separation process, etc., 12644
- Johnson, J. E., flammability in unusual atmospheres, preliminary studies of materials in hyperbaric atmospheres containing oxygen, nitrogen, and/or helium, 11675
- Johnson, J. O., determination of strontium-90 in water, 6410
- Johnson, Jesse C., relief, 4580, 9258, 13505, 13561
- Johnson, John, cloud on title to real property, remove, 10479, 16524, 12328
- Johnson, Lyndon B., see President of United States.
- Johnson, Marion M., index to manuscript and revised printed opinions of Supreme Court in National Archives, 14512
- Johnson, Nicholas:
nomination, hearings, 6094
remarks, Aug. 16, 1967, 16564
- Johnson, Philip C.:
distribution of bark beetle attacks on ponderosa pine trees in Montana, 11115
some causes of natural tree mortality in old-growth ponderosa pine stands in western Montana, 4820
- Johnson, Philip L., vegetation of Yukon Flats region, Alaska, 5725
- Johnson, R. L.:
current meter performance, 4729
spillway and stilling basin, Lower Monumental Dam, Snake River, Wash., 10949
- Johnson, Robert C., mineral industry of South Carolina, 1404
- Johnson, T. L., thermoluminescent dosimetry systems compared with film badges, 8599
- Johnson, U. Alexis, Foreign Service, briefing, 18227
- Johnson, Von J., seasonal fluctuation in moisture content of pine foliage, 2305
- Johnson, W. M., pot tests of productivity and nutritive status of 3 alpine soils in Wyoming, 2317
- Johnson, Warren B., jr., effect of inversion waves upon sonic-boom propagation, 9427
- Johnson, Wilfrid E.:
remarks—
Nov. 3, 1966, 131
Dec. 8, 1966, 1817
Apr. 10, 1967, 7441
Apr. 14, 1967, 8914
Oct. 26, 1967, 17407
- Johnson, William R., helium pressurant requirements for liquid-hydrogen expulsion using submerged gas injection, 14492
- Johnson net, export sales to countries in default in payment of their obligations to U.S., opinion of Attorney General, 16789
- Johnston, Ralph G., flying helicopters over mountains at night, guidance systems tested in 1965 phase of study, 8089
- Johnston, Richard B., Hitchell site, 10081
- Johnston, Robert L., stress-corrosion cracking of Ti-6Al-4V alloy in methanol, 6900
- Johnstown, Pa., war on poverty, examination, hearings, 17665
- Join VISTA and see the world, 10909
- Joiner, Robert C.:
changes in negotiated health and insurance plans, 2521
digest of 100 selected health and insurance plans under collective bargaining, 5058
- Joint Chiefs of Staff, JCS pub. series, 16730
- Joint financial management improvement program, annual report, 11144
- Joint Institute for Nuclear Research, Dubna, Russian SFSR, tenth anniversary, Hungarian evaluation, 1390
- Joint Nuclear Research Institute, see Joint Institute for Nuclear Research, Dubna, Russian SFSR.
- Joint Publications Research Service:
catalog, current translations, addendums, 2425, 15344
- JPRS series, 1155-1347, 2426-81, 3113-23, 3130, 3176, 3217-25, 3242, 3374, 3396-97, 3410-11, 3451, 3556, 3687, 3691, 3701-2, 3852, 3882, 3886-87, 3889, 3944-65, 3967-72, 4013-31, 4036, 4931-5032, 6479-6587, 8238-78, 9609-77, 11242-290, 12659-761, 14212-276, 15345-430, 16733-787, 17860-882
- Joint Salary Commission, establish, message from the President, 9069
- Joints:
braze, high strength, between copper and steel, 14420
braze joint quality tested electromagnetically, 16964
brazed aluminum, low-energy gamma ray inspection, 16967
metals joining, NASA contributions, 6738
pipe, reinforced in place with fitted aluminum sleeves, 15541, 17954
plastic surgery, preparation, preservation and use of bones, USSR study, 15347
silver plating technique seals leaks in thin wall tubing joints, 6699
spherical, axially misaligned flanges connected, 15543
spherical pipe joint delivers loads equally to mating flange, 6823
structural-joint damping, effect of model scale, 18025
trussed rafter, moisture cycling, 8101
weld joint damage, test device prevents by eliminating pin forces on unpotted modules, 17970
- Joncas, Basil, or heirs, relief, 610
- Joncas, James, or heirs, relief, 610
- Joncas, Louis, or heirs, relief, 610
- Jones, Alfred, theoretical segregation ratios of qualitatively inherited characters for hexaploid sweetpotato, 5688
- Jones, David L. Cretaceous ammonites from lower part of Matanuska Formation, southern Alaska, 8170
- Jones, Donald R., utilization of mental health manpower, 2829
- Jones, Dorothy M.:
children who need protection, 1892
community planning for health, education, and welfare, bibliography, 16540
- Jones, Harry L., relief, 7636
- Jones, John R.:
regeneration of mixed conifer clearcuttings on Apache National Forest, Ariz., 11126
site index table for aspen in southern and central Rocky Mountains, 2310
- Jones, Lawrence A.:
crop-hall insurance 1965, volume, cost, indemnities, 9392
insurance facts for farmers, 11928

Jones, Lawrence A.—Continued
 planning farm machinery replacements,
 4115
 Jones, LeRoy, size and germination of white
 pine seed collected at weekly intervals
 from 5 trees, 12389
 Jones, Mary G., nomination, hearing, 6095
 Jones, Milbrey L., sources of audiovisual
 materials, 7912
 Jones, Mildred V., wool statistics and re-
 lated data, 1920-64, 1966 supplement,
 13249
 Jones, Owen W., mineral industry of
 Louisiana, 5114
 Jones, Paul R., computer usage for evalua-
 tion of design parameters and cost of heat
 exchangers, 14324
 Jones, R. L., electron optical survey of iron
 oxide films produced in H₂O, LiOH, and
 LiOH/EDTA solutions, 8594
 Jones, Richard K., relief, 12334, 13613
 Jones, Robert A., flow field, etc., investiga-
 tion of tension shell configurations, 5270
 Jones, Robert M. plastic buckling of axially
 compressed eccentrically stiffened cylin-
 ders, 5249
 Jones, William I., development digest, 3202
 Jones, William R., general geology of Santa
 Rita quadrangle, Grant County, N. Mex.,
 14171
 Jones Beach, Long Island, N.Y. aircraft ac-
 cident, 4369
 Jough, Guillermo Fresco De, *see* Fresco De
 Jough, Guillermo.
 Joppa, Robert G., method of calculating wind
 tunnel factors for tunnels of arbitrary
 cross-section, 14393
 Jordahl, Harold C., jr., nomination, hearing,
 16433
 Jordan, James S., deer browsing in northern
 hardwoods after clearcutting, 8109
 Jordan, Max F., rural industrialization in
 Ozarks, case study of new shirt plant at
 Gassville, Ark., 17711
 Jordan, Peter F., vibration study of pres-
 surized torus shell, 16907
 Jordan, Russell W., relief, 324, 819
 Jordan:
 agricultural commodities, agreements,
 2888, 2917
 capsule facts for Armed Forces, 15906
 housing, basic information, 6420
 Ministry of Social Affairs and Labor, 1965-
 66 annual report, 11279
 war or peace in Middle East, study mis-
 sion report, 10837
 Jordan Ferrando, Maria, relief, 9208, 13499,
 13594
 Jorden, Eleanor H.:
 Vietnamese, basic course—
 v.1, guide to pronunciation and lessons
 1-10, 7195
 v.2, lessons 11-15, 10106
 Jorgensen, Leland H., measured and com-
 puted static aerodynamic characteristics
 of ablating conical teflon models at Mach
 number 14, 11555
 Joseph H. Hirshhorn Museum and Sculpture
 Garden:
 establish—
 law, 492
 reports, 883, 896, 4506
 Joule-Thomson process in cryogenic refrig-
 eration systems, 12989
 Journal bearings, *see* Bearings (machinery).
 Journals:
 Antarctic journal of United States, 3031
 civil service, 3095
 House of Representatives, 89th Cong., 2d
 sess., 7591
 JAG journal, 3452
 journal of research, National Bureau of
 Standards, 2736, 3458-60
 Library of Congress quarterly, 3795
 National Cancer Institute, 3457
 Senate, 89th Cong., 2d sess., 6050

Journals—Continued
 Supreme Court, 3924
see also Medical journals.
 Journals (machinery), *see* Bearings (ma-
 chinery).
 Journey to a future, 12482
 JPRS, *see* Joint Publications Research Ser-
 vice.
 JPRS series, 1155-1347, 2426-81, 3113-23,
 3130, 3176, 3217-25, 3242, 3374, 3396-97,
 3410-11, 3451, 3556, 3687, 3691, 3701-2,
 3852, 3882, 3886-87, 3889, 3944-65, 3967-
 72, 4013-31, 4036, 4931-5032, 6479-6587,
 8238-78, 9609-77, 11242-290, 12659-761,
 14212-276, 15345-430, 16733-787, 17860-
 882
 Juab County, Utah, geologic interpretation
 of gravity and aeromagnetic maps of
 Tintic Valley area, 8164
 Judaism, primitive magic, USSR views, 2452
 Judge Advocate General, Air Force:
 activities, manual, 10220
 digest of opinions, 2150
 law review, 3453
 report, 7844
 Judge Advocate General, Army:
 digest of opinions, 2150
 legal service, pamphlets, 3461
 report, 7844
 Judge Advocate General, Navy:
 digest of opinions, 2150
 JAG journal, 3452
 organization and functions of office, 15633
 report, 7844
 Judge Advocate General's Corps, Navy:
 establish—
 hearing, 16310
 report, 16269
 Judge Advocates General of Armed Forces:
 boards of review, court martial reports,
 holdings and decisions, 4671
 digest of opinions, 2150
 Judges:
 District of Columbia Court of Appeals,
 increase number, report, 13638
 Federal—
 appointment records, pamphlet to ac-
 company microcopy, Idaho, Territory
 and State, 18071
 judicial fitness, removal, retirement, and
 disciplining procedures, hearings,
 7819
 Federal magistrates act, hearings, 12416
 omnibus judgeship act, amend rel. to east-
 ern district of Pennsylvania—
 law, 17544
 reports, 13834, 16236
 territorial district courts, retirement,
 hearings, 2054
 Judgments, *see* Actions at law—Claims—
also names of courts, etc., rendering judg-
 ments—*also* special subjects.
 Judicial administration, hearings, 2054
 Judicial center, *see* Federal Judicial Center.
 Judicial Conference of United States:
 proceedings—
 departmental editions, 14730-731
 document editions, 14922, 14928
 reports, 8800
 Judicial procedure, *see* Civil procedure.
 Judicial review, constitutionality of grants
 or loans under certain acts, report, 10729
 Judiciary, *see* Courts of United States—Just-
 ice Department.
 Judiciary Committee, House:
 activities, summary, 4549
 additional funds, provide, report, 2032
 calendar, 3480
 committee prints, 4549, 10662, 16334
 hearings, 742, 2054, 4548, 7750-51, 10661,
 12306, 15044, 16332, 17606
 investigations and studies—
 authorization, reports, 6014, 7710, 14983
 expenses, report, 7721
 school desegregation, referring investi-
 gation, 4559

INDEX 1967

Judiciary Committee, House—Continued

reports, 529, 531-616, 619, 635, 637, 662, 678, 688, 4498-99, 7705-7, 7614-45, 7654-62, 7683-84, 9079-80, 9082, 9084, 9093-9095, 9121, 10529-552, 10609-610, 12210-239, 12257-258, 12279, 12282-283, 12560-625, 13647-648, 13670, 12673, 13680-681, 14931, 14965, 14975-976, 14984, 14990, 16164, 16166-225, 16235-236, 16248, 16254, 16259, 17571, 17578

Judiciary Committee, Senate:

calendar, 3498
committee prints, 2126, 2129-30, 4647, 6114, 12414, 13872, 15168-169
hearings, 957-958, 2125, 2127-28, 2131-32, 4645-46, 4648-49, 6115-19, 7816, 7818-22, 9324, 10856-858, 12415-418, 13871, 13873-876, 15165-167, 16419-425, 17658-662

Internal security subcommittee hearings and reports—

1956-60, index, 15169
1961-66, index, 15168

Investigations and studies—

administrative practice and procedure in Federal agencies—
authorization, report, 4616
expenses, report, 15099
report on findings, 9280
antitrust and monopoly laws, administration, authorization, report, 4617
constitutional amendments—
authorization, report, 4618
report on actions and recommendations 10730

constitutional rights, authorization and expenses, report, 6069

constitutional separation of powers between executive, judicial, and legislative branches of Govt., authorization, report, 4621

criminal laws and procedures—

authorization, report, 4602

report on subcommittee work, 9284

Federal charters, holidays, and celebrations authorization, report, 4601

Federal judicial system—

authorization and expenses, report, 6070

expenses, report, 15098

report on findings, 9287

immigration and naturalization—

authorization, report, 4603

report on findings, etc., 9286

internal security laws, etc., administration, authorization, report, 4619

juvenile delinquency, authorization, report, 6071

national penitentiaries, authorization, report, 4607

Patent Office administration and patent statutes, authorization, report, 4604

refugees and escapees, authorization, report, 4620

revision and codification of U.S. statutes, authorization, report, 4608

reports, 768-781, 784-872, 876-878, 894, 909, 918, 923-924, 928-930, 2081, 4576, 4578-81, 4583, 4587, 4589, 7776, 9191-9249, 9251-62, 9280, 9284-93, 10705-725, 10729-730, 10743, 10771-780, 10793, 12325-326, 12329-358, 12363, 12376-377, 12379, 12393-395, 12728-774, 13776-789, 13810-811, 13831, 13833-834, 15062, 15066-73, 15075-77, 15085, 15089, 15106, 15110, 15121, 17621-622

Revision and Codification Subcommittee, résumé of activities, report, 10743

Judith Basin County, Mont., soil survey report of area, 7136

Judy, R. W., jr., stress corrosion cracking characteristics of alloys of titanium in salt water, 17091

Juices, *see* Fruit juices.

July rain, Soviet motion picture reviewed, 16771

Jun, Becky, relief, 294, 587, 812

June bugs, white grubs in forest tree nurseries and plantations, 12567

Junior colleges, science education, report, 16343

Junior Federal assistant: examination, 4402

job opportunities throughout United States, 13446

Junior high schools, public, science, teaching, 7909

Junior ROTC Manual, 17385

Juniper, *see* Cedar.

Junkyards:

along Federal-aid highways, control, 1968

authorization—
hearings, 15174

reports, 15126, 16272

Jupiter (planet):

high-thrust round-trip trajectories, 5233

physical properties, handbook, 11424

round-trip trajectories to moons of Jupiter, 18017

use of Jupiter gravity turns for tailoring trajectories to Saturn with consideration of launch opportunities, 2692

Jurassic period:

Carmel formation of Zion Park region, southwestern Utah, review, 11168

Morrison formation in Colorado Plateau region, petrology, 12613

Twin Creek limestone (Jurassic) in western interior of United States, 3168

Jurisdiction:

Federal Power Commission, amend act, hearings, 16401

Fort Lyon Veterans Hospital, retrocede to Colorado—

law, 368

report, 898

see also Venue.

Jury:

duty, women, eligibility, laws, 5603

Federal, improve machinery for selection, hearings, 16423

selection—

eliminate discrimination, message from the President, 12199

protect civil rights—

hearings, 17658

report, 4498

Justice:

administration—

Memphis-Shelby County, Tenn., civil rights report, 14851

Starr County, Tex., civil rights aspects, 13433

1st annual report of Legal Services Program of Office of Economic Opportunity, 4690

juvenile justice administration, etc., task force report, President's Commission on Law Enforcement and Administration of Justice, 11703

law enforcement and criminal justice assistance act of 1967, reports, 13670, 13685

legal services in action, the poor seek justice, 12449

Justice Department:

annual report, 9678

antitrust activities 8290

appropriations, 1967, law, 501

appropriations, 1968—

hearings, 10632, 16399

reports, 10616, 16372

Attorney General—

appointment of U.S. marshals, hearings, 2054

nominations of Ramsey Clark, hearing, 9324

Attorney General's memorandum on public information section of administrative procedure act, 12762

Justice Department—Continued

- Criminal Division, efforts against organized crime, hearings, 13706
handling of VA mortgage foreclosures—
hearings, 15031
report, 14947
judicial administration, code of Federal regulations, 6283
land conveyance to Ralph J. Litchard, 13579, 13776, 14891
opinions of Attorney General, 3660, 8279, 16789
policies and procedures for collecting judgments, fines, etc., GAO review, 11154
report under law consenting to interstate compact to conserve oil and gas, 15431
Juvenile courts:
juvenile delinquency and youth crime, administration of juvenile justice, etc., task force report, President's Commission on Law Enforcement and Administration of Justice, 11703
statistics, 185
Juvenile delinquency:
and youth crime, task force report, President's Commission on Law Enforcement and Administration of Justice, 11703
and youth offenses control act, summaries of training projects, 7233
control and typological approaches, status report, 17166
correction series, 13180-182
corrections, task force report, President's Commission on Law Enforcement and Administration of Justice, 10031
crime and delinquency abstracts (periodical), 3163
handling of juveniles from offense to disposition, 13180-181
instructor's guide, 13182
investigation, authorization, report, 6071
learning in action, training and demonstration projects, selected issues, 2973
nonmetropolitan delinquency, action program, 11906
prevention act of 1967, message from the President, 5999
prevention and control act of 1967—
hearings, 16324
report, 16249
public institutions for delinquent children, personnel and personnel practices, survey, 4367
public training schools serving delinquent children, directory, 4364
re-educating confined delinquents, 2798
supplement, 2799
studies in delinquency series, 7232, 8791, 10135
Juvenile detention homes, *see* Imprisonment.
Juvenile literature, *see* Children's literature.
Juveniles, *see* Youth.

K

- Kachadoorian, Reuben:
effects of earthquake of Mar. 27, 1964 on communities of Kodiak and nearby islands, 11176
effects of Truckee, Calif., earthquake of Sept. 12, 1966, 9565
Kaestner, Gottfried R., relief, 556
Kagarise, R. E.:
intensity measurements of some fundamental absorption bands of H₂O, D₂O, CS₂, 1550
performance capabilities of small grating spectrometers, 1549
Kahrman, James S., relief, 263, 546, 860
Kaiden, Morris L., relief, 12224
Kaiden, Vivian C., relief, 12225
Kainen, Jacob, etchings of Canaletto, 10080
Kale, caterpillar control in South, 15847

- Kalih, F.:
navigation accuracy for infrared equipped Apollo aircraft for reentry tracking, 1507
optical and microwave communications, a comparison, 11529
Kalman filters, application to error correction of inertial guidance, 6904
Kainins, Martin A., light-induced free radicals in wood, 4846
Kamel, Adel M., stability of rubble-mound tsunami barrier, Hilo Harbor, Hawaii, hydraulic model investigation, 16526
Kangieser, Paul C., climates of States, Arizona, 4746
Kaniuka, R. P., agricultural research, 3000
Kannel, William B., epidemiology of stroke, 11726
Kansas:
area measurement reports, 150, 4266
bluestem, Flint Hills, pasture report, 14692
census of agriculture, 1964, State and county statistics, 13406
census of mineral industries, 1963, area statistics, 4287
climatological data, 3096
county business patterns, 1863, 12048
electric rate book, 1053
mineral industry, minerals yearbook chapter, 6653
postal map, 15655
precipitation data, hourly, 3401
sedimentary rocks, chemical composition, 14172
Kansas City, Kans., area wage survey, 8305
Kansas City, Mo., area wage survey, 8305
Karatapanis, Chrisanthos S., relief, 16202
Kardon, Merrill B., simple portable sonometer, 1741
Karidakis, Maria, relief, 297, 589, 863
Karitas, James J., determining costs of servicing wholesale Institutional grocery orders, 4120
Karpinos, Bernard D.:
profiles of military chargeable accessions, 10296
results of examination of youths for military service, 8900
Karr, Clarence, Jr.:
characterization of resin fraction from various low-temperature tar pitches, 6632
identification of distillable paraffins, etc., from low-temperature bituminous coal tar, 12795
Kartluke, Herbert, complex fatigue loading, 5748
Karyokinesis, mitotic activity in cells of human tissue cultures, USSR study, 4963
Kaseak, Albert F., estimates of local and average fuel temperatures in gaseous nuclear rocket engine, 16998
Katchman, Bernard J., measurement of total body hemoglobin by bloodless techniques, 10232
Katell, Sidney, bibliography of investment and operating costs for chemical and petroleum plants, 14328
Katsanis, Theodore, velocities and streamlines for 2-dimensional, incompressible flow in axial blade rows, 5245
Kattagat:
lights and fog signals, list, changes, 1539, 7005, 11645, 18101
sailing directions, change, 17070
Katz, Jacob E.:
addresses—
Oct. 27, 1966, 144
Apr. 18, 1967, 8924
June 1, 1967, 10329
Aug. 22, 1967, 15985
Katz, Lawrence G., climatological probability of aircraft icing, 7318

INDEX 1967

Katzenbach, Nicholas deB.:
addresses—
Dec. 9, 1966, 10099
Sept. 30, 1967, 18231
Kauai, plantation timber, 16665
Kaufman, Richard F., urban America, goals
and problems, 14921
Kaufman, Samuel, effect of cation on solubil-
ization by oil-soluble sulfonates, etc.,
17095
Kaufman, William, lease, Clover-Rush Run
oilfield, Roane County, W. Va., reservoir
study, 14347
Kaye, William G., address, Nov. 19, 1966,
1825
Kayser, Frederic G.:
foreign trade regulations of—
Guyana, 230
Netherlands Antilles, 13460
Surinam, 4411, 12134
Kazakh Soviet Socialist Republic:
Academy of Sciences—
activities, 8250, 12677
projects planned, 12753
scientific research, resolution, 4965
dam construction begun, 12670
parameters of jet streams and forecasting
instructions, 4994
Kazakhstan, *see* Kazakh Soviet Socialist
Republic
Kazan University, USSR, general informa-
tion, 5029
Kearns, Thomas F., oil and gas lease, rein-
state, report, 10740
Keathley, S. M., stability theory of multistep
methods, 11523
Keeler, Charles M.:
densification of alpine snow covers, 15933
mechanical properties of alpine snow, Mon-
tana, 13292
Keenan, Hugh C., jr., how to obtain death
certificates, etc., 10701
Keep your drinking water safe, 5443
Keesing, Wouter, relief, 12343
Keipert, Frank A., STARS II, fully auto-
matic satellite data processor, 11527
Keku Island, stratigraphy, 12600
Kelkar, Vasant S., vibrations of hollow elas-
tic cylinder bonded to thin casing of
different material, 18048
Keller, E. L., uranium hexafluoride, handling
procedures & container criteria, 1796,
13340
Kellogg, Remington, fossil marine mammals
from Miocene Culvert Formation of Mary-
land and Virginia, 1530
Kelly, James E., decayed, missing, and filled
teeth in adults, 1960-62, United States,
5470
Kelly, James R., V/STOL height-control re-
quirements for hovering, etc., under visual
conditions, 11524
Kelly, William P., jr., nomination, hearing,
10864
Kelsall, T., stellar evolution, calibration of
Hertzsprung-Russell diagram in terms of
age and mass for B and A stars, 2702
Kelso Junction quadrangle, Mich., geology,
6392
Kemp, James R., relief, 292, 614, 811
Kemp, Robert G., selling in Finland, 10461
Kenahan, Charles B., effect of ultrasonics
on electrodeposition of copper alloys from
cyanide electrolytes, 9787
Kendall, Nicholas A., mineral industry of
Mississippi, 2558
Kendall, William N. W., air-truck coordina-
tion and competition, 11231
Kennan, George F., statement on Communist
world in 1967, hearing, 6101
Kennard, Earle H., irrotational flow of fric-
tionless fluids, 11682
Kennedy, John F.:
prominent American stamp, dedication
(address), 11696

Kennedy, John F.—Continued
13-cent—
aerogramme (poster), 10025
regular postage stamp (poster), 10026
Kennedy, Marjorie D., confectionery manu-
facturers' sales and distribution, 7449,
10328
Kennedy, Richard M., market for U.S. prod-
ucts in Chile, 2417
Kennedy, Cape, interagency motor pool, utili-
zation of motor vehicles, GSA and NASA,
GAO report, 2353
Kennedy round, *see* General agreement on
tariffs and trade
Kennesaw Mountain National Battlefield
Park, general information, 9962
Kennewick division, *see* Yakima project
Kennon, F. W., hydrologic effects of small
reservoirs in Sandstone Creek watershed,
Beckham and Roger Mills Counties, wes-
tern Oklahoma, 2376
Kent, Paul R.:
oxygen breathing effects upon night vision
thresholds, 11347
visual resolution underwater, 14317
Kentucky:
admission to Union, recognize anniversary,
report, 10779
Appalachian region, hardwood lumber
production, costs and returns, 4850
Bluegrass area and Pennyroyal area, com-
mercial tobacco-livestock farms, costs
and returns, 16490
calymenid and other Ordovician trilobites,
16698
census of agriculture, 1964, State and
county statistics, 16039
census of manufactures, 1963, area sta-
tistics, 1839
census of mineral industries, 1963, area
statistics, 5828
climatological data, 3096
contributions to Ordovician paleontology
of Kentucky (series), 16697-698
county business patterns, 4311, 13273,
14819
east-central, Otter Creek coral bed and its
fauna, 6394
eastern, strip-mining, land disturbances,
8077, 17801
electric rate book, 1054
lumber industry, 11136
mineral industry, minerals yearbook chap-
ter, 2555
northern, air resource management pro-
gram, air pollution survey, 11717
postal map, 15656
precipitation data, hourly, 3401
silicified Middle Ordovician brachiopods
from Kentucky, 16697
soil survey laboratory data and descrip-
tions, 13125
Kenya:
agricultural commodities, agreement,
14686
Army area handbook, 15941
labor conditions, 1376
mineral industry, minerals yearbook chap-
ter, 8355
Tanzania boundary, study, 1631
Keogh, Eugene J., award of Order of Isabella
the Catholic, authorize acceptance, 4493
Kerbel, L. Ye., Soviet sculptor, transcript of
conversation on Chinese artists, traditions,
and cultural revolution and Red Cross,
4948
Kerchner, Orval:
costs of transporting bulk and packaged
milk by truck, 8836
utilization of plant capacity in Minnesota
dairy manufacturing firms, 12454
Kermitt, Tex., brackish well water reverse
osmosis tests, 11217
Kern, D. Q., liquid-liquid heat transfer for
large-scale desalination, 14200
Kern National Wildlife Refuge, general in-
formation, 8031

- Kern River and Valley, ground water geology and hydrology of alluvial-fan area, 1116
- Kerns, William H.:
salt, 6690
water, 1417
- Kerr, Arnold D., bending of circular plates confining incompressible liquid, 97
- Kershner, Alan M., test correlates of Air Force weather forecaster proficiency, 8863
- Kerslake, William R., oxide-cathode durability in mercury electron-bombardment ion thruster, 6867
- Kessler, E. L., design for control of projectile flight characteristics, engineering design handbook, 1751
- Kessler, Edwin, on continuity of water substance, 15231
- Kessler, T., spark-source mass spectra of several aromatic hydrocarbons using spinning electrode, 11380
- Kesten, A. S., radiant heat transfer in fuel region of gaseous nuclear rocket engine, 5183
- Ketchum, Harry W., address, Feb. 1, 1967, 5807
- Key deer, *see* Deer.
- Key to meteorological records documentation, 6227-28, 13990, 16536
- Key West National Wildlife Refuge, birds of Florida Keys national wildlife refuges, list, 17780
- Key word in context, *see* Indexes.
- Keyes, Ian W., New Zealand artifacts from U.S. transit of Venus expedition, 6972
- Keyes, William F., mineral industry of South-West Africa, 8364
- Keys, *see* Locks and keys.
- Keyserling, Leon H., how well is employment act of 1946 achieving its goal? 5043
- Keyserling, Mary D.:
addresses, etc.—
July 27, 1966, 1668, 10142, 17296
Jan. 25, 1967, 8798
June 17, 1967, 11908
- Khabarovsk, Russian SFSR, medical institute, recent developments, 2450
- Khar'kov Scientific Research Institute of Prosthesis, Orthopedics and Traumatology imeni M. I. Sitenko, anniversary, 9667
- Kidnaping, laws, compilation, 1982
- Kidneys:
airmen who apply insecticides from aircraft may suffer ill-defined effects, 17410
renal blood flow, effect of hydrazine, preliminary study, 11967
renal disease and hypertension, Public Health Service cooperative studies, conferences, proceedings, 17160
renal function, effects of monomethylhydrazine, 15901
renal response of man in oxygen-helium atmosphere, 87
salmonid fishes, bacterial kidney diseases, 4802
sodium and water excretion and renal hemodynamics during lower body negative, 14770
see also Artificial kidneys.
- Kieffer, L. J., bibliography of low energy electron collision cross section data, 8521
- Kier, Porter M.:
echinoids of Dominica, 5316
new echinoid from Cretaceous Pierre shale of eastern Wyoming, 2363
- Kiernan, Owen B., statement, Oct. 5, 1966, 14853
- Klewit, J. L., synthetic resin primer for coal-tar enamel, 10073
- Kil Ja Chung, *see* Chung, Kil Ja.
- Killing unwanted West Indies mahogany trees by peeling and frilling, 12573
- Kiln-drying, *see* Kilns.
- Kilns, dried softwood lumber, dimensional changes after surfacing and during storage, 2300
- Kilpatrick, Jack F., Muskogean charm songs among Oklahoma Cherokees, 6973
- Kim Bong Oh, *see* Bong Oh Kim.
- Kim Kap Yung, *see* Yung, Kim Kap.
- Kim Kin Soon, relief, 542
- Kim, Yung Mi, relief, 353
- Kimbell, Charles L., mineral industry of Argentina, 15466
- Kimel, William R., radiation shielding, etc., applied to nuclear defense planning, 4384
- Kincald, John F.:
addresses—
Sept. 22, 1967, 16091
Oct. 17, 1967, 17472
- Kindergarten, enrollment of children under 6, 10937
- Kinetics:
cosine law in kinetic theory of gases, 9928
excess solute precipitation in liquid sodium solutions, 5359
fluorination of beryllium, 12928
gas synthesis using recycle systems, 9790
hydrate and freezing processes, 6446
hydrate reaction, studies, 6447
parameters of 6 ablation polymers, determination by thermogravimetric analysis, 9896
properties, thermal decomposition of KMnO_4 , result of CO^{60} -irradiation, 11570
thermogalvanic corrosion, USSR study, 1241
see also Chemical reactions.
- King, A. E., electrical component technology for space power systems, design studies, 15964-965, 17399
- King, Danny L., hydraulic model studies for Morrow Point Dam, 13103
- King, David A., activity patterns of campers, 8071
- King, Edward G., thermodynamic properties of forsterite and serpentine, 11387
- King, Joseph H., models of trapped radiation environment, low energy protons, 16929
- King, Norman D., Ryukyu Islands, bibliography, 10267
- King, Warren B., application of automatic data processing to study of seabirds, numerical coding, 14536
- King, Willis, Division of Fishery Services, annual report, 16625
- King Cove, Alaska:
harbor, engineer report—
departmental edition, 9420
document edition, 9180
- King crabs:
fisheries, agreement with—
Japan, 7185
Union of Soviet Socialist Republics, 11857
- Kingdom of Libya, *see* Libya.
- Kingdom of Morocco, *see* Morocco.
- Kings Canyon National Park, map, 5321
- Kingsley, Neal P., pulpwood production in Northeast, 4857, 8122, 14146
- Kingsolver, John M., bibliography of insect-plant associational studies, 8804
- Kinkel, Arthur K., Jr., Ore Knob copper deposit, N.C., and other massive sulfide deposits of Appalachians, 15310
- Kinnen, Edwin:
Lyapunov functions—
for nonlinear differential equations, 5180
from auxiliary exact differential equations, 11421
- Kinney, Edward C., annual report, 1965, Division of Fishery Service, 17784
- Klaney, Jo Ann S., color induction using asynchronous flashes, 12794
- Klinney County, Tex., soil survey report, 11806
- Kiowa County, Colo., Big Sandy Creek Valley, geology and ground-water resources, 11191
- Kirby, James G., crude petroleum and petroleum products, 5101

INDEX 1967

- Kirby, Robert M., soil survey of Prince Georges County, Md., 11808
- Kirghiz Soviet Socialist Republic, child labor in cotton and tobacco fields, deplorable, USSR study, 1172
- Kirk, I. W., quick-change sacking attachment for harvesting cotton research plots, 13198
- Kirk, Jerry V., VTOL aircraft with jet-ejector system for lift augmentation, 2706
- Kirk, Raymond J., infrared horizon definition, state-of-the-art report, 8416
- Kirkham, Frank S., airframe-propulsion-system integration for Mach 6 cruise vehicles, 18010
- Kirkpatrick, Dick, U.S. Supreme Court upsets tradition, 6052
- Kirsteuer, Ernst, Bredin-Archbold-Smithsonian biological survey of Dominica, 3, marine archiannelids from Dominica, 11612
- Kirwin National Wildlife Refuge, general information, 17776
- Kisielowski, E., generalized rotor performance, 7411
- Kiskokwim River and Valley, White Mountain mercury deposit in river basin, investigations, 6677
- Kislovodsk, Russian SFSR, astronomical observatory, largest coronagraph installed, 15351
- Klster, L. R., salinity of ground water in western Pinal County, Ariz., 1131
- Kistler, Ronald W., structure and metamorphism in Mono Craters quadrangle, Calif., 4887
- Kitchens, school lunch, layout, equipment, and work methods, 4121
- Kites, moored, Federal aviation regulations, 10997
- Kits, Federal-State programs for developing human and community resources, 6248
see also Dental Kits.
- Kittanning, Pa., acid mine water reverse osmosis test, 4915
- Kivel, Joseph, microbial inhibition systems employing radiation (MISER), 8908
- Klahr, Carl N., fabrication of semiconductor devices by neutron transmutation doping, 12010
- Klaiber, Robert J., physical and optical properties of projection screens, 7024
- Klamath Forest National Wildlife Refuge, birds, list, 15262
- Klamath River and Valley:
basin, magnitude and frequency of floods, 14177
- Klamath Basin national wildlife refuges, birds, list, 15262
- vicinity of Klamath, Calif., engineer report—
departmental edition, 1026
document edition, 522
- Klapthor, Margaret B., White House china of Lincoln Administration, 15600
- Kleberg County, Tex., civil rights status of Spanish-speaking Americans, 14848
- Kleespies, Ernst K.:
electrolytic methods for producing titanium and titanium alloys, 2579
reaction rates of titanium-oxygen alloy system and titanium chlorides in molten sodium chloride, 14359
- Kleiman, Louis A., analytical approach to determination of stellar fields of view, 11557
- Klein, Ike I., claim against Hungary, 13577
- Klein, Lawrence R., monthly labor review, 3576
- Klingebiel, A. A.:
know the soil you build on, 11927
land-capability classification, 1678
- Klinger, F. L.:
mineral industry of—
Denmark, 8346
- Klinger, F. L.—Continued
mineral industry of—continued
Italy, 14333
Norway, 11363
Sweden, 15469
- Klingman, D. J., using phenoxy herbicides effectively, 11929
- Klingsberg, Vera I., scientists and engineers from abroad, 9966
- Kloos, Edwin J., machine test method for measuring carbon dioxide in inspired air of self-contained breathing apparatus, 1413
- Klueber, Thomas M., solar-cell space power systems using spectral dispersion, 16992
- Klyce, Donald F.:
mineral industry of—
Indiana, 6651
Michigan, 5117
- Knee, hinge, adjustable, permits movement in plaster cast, 9829
- Knee position recorder for sawmill carriage headblocks, 2297
- Knight, Herbert A.:
North Carolina's timber, 2338
Virginia's timber, 15296
- Knight, John T.:
claim against U.S., 7617
relief, 858
- Knit goods, see Textiles—also names of clothing.
- Knobcone pine, see Pine.
- Knobs, Federal item identification guide, 17697
- Knoop hardness, see Hardness.
- Knostran, Richard W., analysis of Pacific Northwest lead-zinc industry, 11352
- Knott, Albert, designing shelter in new buildings, 7530
- Know the soil you build on, 11927
- Knutson, Robert G., Lake States veneer log production shows increase, 14096
- Kobayashi, A. S., plane-stress, elastic-plastic states in vicinity of crack tips, 9816
- Kobayashi, Shigo, prebuckling deformation influence on buckling load of truncated conical shells, 5187
- Koch, George S., Jr.:
geometry of metal distribution in 5 veins of Fresno mine, Zacatecas, Mexico, 9771
gold distribution in diamond-drill core from Homestake Mine, Lead, S. Dak., 6679
- Koch, Peter, straight studs from southern pine veneer cores, 8120
- Koch, Robert K., separation of HF from HF-SiF₄-H₂O mixtures, 2581
- Kodak Island, earthquake of Mar. 27, 1964, effects, 1121, 11176
- Koenig, Harry J., method of relating modal damping to local dampers in lumped-parameter systems, 5228
- Koenig, L. R., handbook of physical properties of planet Venus, 14404
- Koenig, Robert W., inlet sensitivity study for supersonic transport, 8496
- Kofa Game Range, mammals, list, 11088
- Kofsky, Milton G., radial-inflow turbine performance evaluation over range of speeds, 2716
- Kogon, Maurice, market for U.S. products in Taiwan, 17853
- Kohl, Jesse W., U.S. Naval Submarine Medical Center, etc., summaries or research reported, 16846
- Kohl, W. H., requirements placed on electron tubes for space applications, 5231
- Kohler, Foy D., address, Feb. 17, 1967, 10099
- Kolb, Fred W., Jr., relief, 13583, 17493
- Kolbeck, Jean M., aeronautics, bibliography, 4169
- Kolesnev, S. G., Soviet scientist, biography, 1330

- Kollar, K. L., regional construction requirements for water and wastewater facilities, 17417
- Kollmann, George, mechanism of action of AET, protection of DNA against ionizing radiation by GED, 5713
- Kollmeyer, Ronald C., oceanography of Labrador Sea in vicinity of Hudson Strait, 10445
- Kolodrubetz, Walter W., private employee-benefit plans, 8689
- Kolometrousis, Maria, relief, 13616
- Kolosovs, H. J., free-surface instability correlations and roughness concentration effects on flow, 4892
- Komar, Charles A., effects of ultrasonic energy on fluid flow in porous media, 14336
- Komer, Robert W., other war in Vietnam, progress report, 1627
- Kommunist (periodical):
translations, 3947
- Kommunist Moldavi (periodical):
translations, 11273
- Komons, Nick A., science and Air Force, history of Air Force Office of Scientific Research, 7335
- Konev, I., reminiscences on battles for Moscow, USSR studies, 1287
- Konkle, Ward W., agricultural science review, 3001
- Koon Chew Ho, see Ho Koon Chew.
- Koontz, W. A., multipurpose data acquisition system for instrumentation of nearshore environment, 16522
- Kootenai Indians:
Confederated Salish and Kootenai Tribes of Flathead Reservation, funds, disposition—
law, 10480
reports, 7779, 9115
- Kopelson, Sheldon, rate augmented digital-to-analog converter, 18036
- Koral, Kenneth F., high-voltage characteristics of large-gap coaxial-cylinder electrode, 9908
- Kordes, Eldon E., preliminary evaluation of XB-70 airplane encounters with high-altitude turbulence, 18038
- Korea:
background notes, 10092
military personnel of U.S., helpful hints, Army pamphlet, 14798
- North—
mineral industry, minerals yearbook chapter, 1402
translations, 3963
- Republic—
agricultural commodities, agreement, 8747, 17229
cotton textiles, trade, agreement, 7183
exchange of official publications, agreement, 5543
foreign trade regulations, 16106
loan of additional destroyer, report, 16271
Peace Corps, volunteers, agreement, 2928
status of Korean Service Corps, agreement, 11864
U.S. Armed Forces, facilities and areas and status, agreement, 8726
sailing directions, change, 11640
South, see above, Republic.
- Korean Service Corps, status, agreement, 11864
- Korean War, 1950-53, Marine Corps Reserve mobilization, 17906
- Korman, Samuel, some new metal and metal-ceramic composites, 5194
- Korniliev, Nicholas A., notes on Aradidae in National Museum, 4, Hemiptera: Heteroptera, 5307
- Kornicker, Louis S.:
Euphomedes arostrata, new myodocopid ostracod, 6954
- Kornicker, Louis S.—Continued
myodocopid ostracod families Philomedidae and Pseudophilomedidae, 6963
myodocopid ostracod from—
Great Bahama Bank, 8543
Red Sea, 5315
species of Sarsilla (Ostracoda: Myodocopa), 6971
- Korth Transfer, accident, 1153
- Kosmahl, H. G., three-dimensional plasma acceleration through axisymmetric diverging magnetic fields, etc., 5256
- Kosmos, see Satellites.
- Kossoris, M. D., work performance of physically impaired workers, 14612
- Kost, Keith, public health reports, 3782
- Kotok, E. S., tree characteristics influence 2 x 4 stud yield of lodgepole pine, 16654
- Kousoulas, Angelle, relief, 16181, 17529
- Kovachina, T. A., kinetics of excess solute precipitation in liquid sodium solutions, 5359
- Kovar, Mary G., charges for care in institutions for aged and chronically ill, 17169
- Kowalczyk, George L., Arkansas Titan II missile site disaster actuarial analysis of survivor benefits payable, 7115
- Kraft, Ivor, helping low-income families through parent education, survey of research, 10402
- Kramer, Fritz, pressure effect of sound wave on cryogenic fluid, 12940
- Kramer, Morton, usage of psychiatric facilities for community mental health programs and related research, 5465
- Krasella, N. L., absorptive properties of small particles and heavy atom gases, 5182
- Krasnolask Dam, hydroelectric projects, bibliography, 8665
- Krebill, R. G., Gymnosporangium claviforme in witches'-brooms of Juniperus communis, 8809
- Kreichelt, Thomas E., air pollution aspects of teepee burners, 1572
- Kreitlow, K. W., lawn diseases, how to control them, 11931
- Krejsa, Eugene A., frequency response of forced-flow single-tube boiler, 12952
- Krickleh, Joseph:
mineral industry of—
New Jersey, 1401
Ohio, 6663
- Krill, see Plankton.
- Krislov, Joseph, State and local government retirement systems, etc., 2868
- Kroll, John, general purpose airborne simulator, 5161
- Krombein, Karl V., trap-nesting wasps and bees, 8685
- Kromer, George, W.:
fatty acids, expanding market for fats and oils, 10921
talks, Nov. 17, 1966, 4704-5
U.S. cottonseed industry adjusting to short 1966 crop, 989
- Kronenberg, Stanley, high-intensity radiation dosimetry with SEMIRAD, 4219A
- Kronfeld, Sylvia, relief, 562
- Krueger, Kenneth W., investigating dominance in Douglas-fir stands, 16662
- Krueger, R. E., selecting hydraulic turbines, 2847
- Krueger, Roger C., factors influencing heat transfer to liquid-propellant rocket-thrust-chamber coolant channels, 1484
- Krug, Mary M., Smithsonian torch, 8684
- Krugman, Stanley L.:
artificial ripening of sugar pine seeds, 4856
freezing spring temperatures damage knob-cone pine, 8117
- Krull, Walter V.:
planning layout and arrangement for safety, 8292
responsibility for safety, 8287
- Krusos, J. N., ceramic heat shields for lifting reentry vehicles, 15509

Krypton isotopes, krypton-85, development as universal tracer, final report, 13335
 Krzykowski, Kazimierz (Casimer): relief, 781
 Krzywicki, Harry J.:
 body composition of military population, Ft. Carson, 1963, body density, fat and potassium 40, 120
 metabolic aspects of acute starvation body composition changes, 7412
 Ku, Marshall, relief, 332, 570
 Ku, Yuh, factors affecting efficiency of chemically defined diet, 17351
 Ku Klux Klan:
 organizations, investigation—
 hearings, 10680
 print additional copies, reports, 10595-596
 report, 16250
 Kubal, Gene J., cooperation in agriculture, 1954-64, list of selected references, 1517
 Kuchn, Donald M., attached and separated boundary layers on highly cooled, ablating and nonablating models at M.13.8, 12954
 Kugel, Robert B., children of deprivation, changing course of familial retardation, 8966
 Kuhn, R., atlas, water masses and density stratification, western north Atlantic Ocean, 11629
 Kuhns, Helen P., nuclear energy for water desalting, bibliography, 12014
 Kuiu Island, stratigraphy, 12600
 Kuklis, Andrew, mineral industry of Missouri, 6659
 Kulke, Bernhard, millimeter-wave generation with electron-beam devices, etc., 6554
 Kumai, Motoi, hexagonal and cubic ice at low temperatures, 17375
 Kunde, Virgil G., outgoing infrared radiance from planetary atmosphere, 14457
 Kundert, James J., captioned films for the deaf program, 10929
 Kung-Lee Wang, see Wang, Kung-Lee.
 Kunlun Mountains, journey by Mikhail Vasil'yevich Pevtsov, 15426
 Kunz, H. R., vapor-chamber fin studies transport properties and boiling characteristics of wicks, 14379
 Kuo-Hua Yang, see Yang, Kuo-Hua.
 Kupper, Hubert J., relief, 778
 Kuprenoff Islands, stratigraphy, 12600
 Kurkowski, Richard L., piloted simulation study of manual guidance of upper stages of large launch vehicle, 9887
 Kurtenacker, R. S., Appalachian hardwoods for pallets, laboratory evaluation, 16661
 Kurylo, Walter, remarks, Dec. 5, 1966, 1962
 Kurzhals, Peter R., approximate solution of equations of motion for arbitrary rotating spacecraft, 18054
 Kusler, David J., mineral industry of Virginia, 6669
 Kussoy, Marvin I., hypersonic viscous drag on cones in rarefied flow, 12949
 Kutscher, Ronald E., 1970 input-output coefficients, 17891
 Kuwait:
 alien amateur radio operators, authorization to operate agreement, 2901
 geology, 6406
 mineral industry—
 Kuwait-Saudi Arabia Neutral Zone minerals yearbook chapter, 5112
 minerals yearbook chapters, 2556, 8356
 Kwajalein Missile Test Site, contractor operated messing and merchandising services, new procedures adopted to improve management, Defense Dept., GAO report, 14155
 KWIC, see Indexes.
 Kwok-Long Chan, see Chan, Kwok-Long.
 Kyser, James E., tracer-spark technique for flow-velocity measurements, 12856

L

L series, 16053

Labels:

 adhesive, use for price-marking cases at grocery warehouse, 10155
 catalog of copyright entries, 12434, 17684
 fair packaging and labeling act, law, 12157
 foods, private labels, frequency of use by distributors, errata, 9947
 hazardous substances labeling act, amend—
 hearings, 2112
 law, 466
 text as amended, 12563
 luncheon meats, what label means, 966
 national potato labeling act, hearing, 17649

Labidocera, see Copepods.

Labin, Suzanne:

 techniques of Soviet propaganda, study, 12322
 print as Senate document, report, 12372

Labor:

 American, impact of imports and exports—
 hearings, 6034, 16242
 report, 16256
 Bulgaria, new pay scales for scientific and technical workers, 1303
 civil defense role, State, county, and local, labor leaders briefing guide, 16055
 code of Federal regulations, 7982, 9468-69
 conditions—

 Algeria, 1364
 Angola, 1365
 Basutoland, 6617
 Bechuanaland, 1366
 Burundi, 6618
 Cameroon, Federal Republic of, 1367
 Central African Republic, 1368
 Chad, Republic of, 1369
 Congo (Brazzaville), Republic of, 1370
 Congo (Kinshasa), Democratic Republic of the, 1371
 Dahomey, Republic of, 1372
 Ethiopia, Empire of, 1373
 Equatorial Guinea, 5073
 French Somaliland, 5074
 Gabon, 2509
 Gambia, 1374
 Ghana, Republic of, 2510
 Guinea, Republic of, 5075
 Ivory Coast, Republic of, 1375
 Kenya, 1376
 Liberia, Republic of, 1377
 Libya, Kingdom of, 1378
 Malagasy Republic, 2511
 Malawi, 1379
 Mali, Republic of, 1380
 Mauritania, Islamic Republic of, 1381
 Mauritius, 1382
 Morocco, Kingdom of, 1382
 Mozambique, 1384
 Niger, Republic of, 1385
 Nigeria, Federal Republic of, 1386
 Portuguese Guinea, 5076
 Réunion, 5077
 Rwanda, 8326
 Senegal, Republic of, 2512
 Seychelles, 5078
 Sierra Leone, 2513
 Somali Republic, 1387
 South Africa, 2514
 South West Africa, 2515
 Southern Rhodesia, 1388
 Spanish Sahara, 5079
 Sudan, Republic of, 2516
 Swaziland, 1389
 Tanzania, United Republic of, 2517
 Togo, 2518
 Tunisia, 2519
 Uganda, 1390
 United Arab Republic (Egypt), 1391
 Upper Volta, 2520
 Zambia, Republic of, 1392

Labor—Continued

contemporary international Communist workers, and national-liberation movement, USSR studies, 5003-4
 core city worker and plant relocation, 16711
 developments abroad (periodical), 3465
 displaced pottery and carpet mill workers, case studies of layoffs in small communities, 1360
 engineers, scientists, and technicians, current market, 4727
 how to train workers on the job, 5718
 industrial characteristics of workers, affiliations by age, race, class of work, etc., census of population, 1960, 13403
 industrial workers, training, USSR studies, 16752
 interindustry mobility in United States, 13119
 international labor (periodical), 3436
 issues in mid-60's, 8321
 labor courses, Civil Defense Office references, 14845
 labor digests, 1364-92, 2509-20, 5073-79, 6617-18
 African countries, 8316
 labor force—
 employment, and unemployment, 15452
 monthly report, 2232
 labor statistics 1967, handbook, 14302
 labor's role in war on poverty, seminar, 11299
 Main Pharmacy Administration of Moldavian SSR, proposals for improving labor organization, 15422
 man-hour output, indexes—
 private economy, 8319, 11333
 selected industries, 6612
 steel industry, 5055
 manpower policy, labor's view, seminar proceedings, 14279
 medical care utilization by disabled workers, 17202
 migration of talent and skills, some facts and figures, 14681
 migratory, study, authorization, report, 6080
 mobility, selected references, 15432
 monthly labor review, 3576
 reprints, 2521, 5081, 14305, 16827
 New England labor and economy, 1966, year-end report, 16828
 older workers, job redesign, 10 case studies, 8303
 Operation Late Start, how on-the-job training gives new hope to older workers, 16791
 participation in civil defense, 197
 periodicals, coverage of labor world, list, 1363
 physiological basis of methods of increasing labor productivity, USSR study, 16766
 potential supply and replacement of rural males of labor force age, 1721
 promoting worker interest in safety, instructor outline, 8288
 psychophysiological analysis of labor activity, USSR study, 11260
 racketeering activities of Jack McCarthy, etc.—
 hearings, 2119
 report, 10731
 relationship of education to labor (address), 6589
 requirements in thinning Douglas-fir and western hemlock, 4837
 role in State, county, and local civil defense, training course, instructor's guide, 198
 scientific organization—
 contributions of scientists, USSR study, 16767
 use in higher education, USSR study, 16776

Labor—Continued

statistics, Interstate conference, proceedings, 15454
 Turkish labor movement, 1918-63, 5016
 USSR—
 labor force, 1950-75, estimates and projections, 12090
 studies, 6530
 translations, 3971
 work stoppages, monthly, 4070
 worker attitudes in job seeking, 1021
 workers—
 accidental ozone poisoning, prevention, 2820
 Martin Company, Denver, Colo., reemployment experiences, effects of defense employment readjustments, 5720
 physically impaired, work performance, 14612
 promoting interest in safety programs, 9704, 16804
 Republic Aviation Corporation, Farmingdale, Long Island, post layoff labor market experiences, 5719
 see also Child labor—Farm labor—Forced labor—Manpower—also headings beginning Labor.
 Labor and Public Welfare Committee, Senate:
 additional professional staff members and clerical assistants, authorization, report, 6081
 calendar, 3499
 committee prints, 4650, 4653, 6120-22, 10861, 10865-867, 12422, 13879, 17668
 hearings, 959, 2133, 4651-52, 6123, 7823, 9325-28, 10859-860, 10862-864, 10868-869, 12419-421, 12423, 13877-878, 15170-172, 16426-428, 17663-667, 17669-670
 investigations and studies—
 education, etc., of Indian children, authorization, report, 15137
 migratory labor, authorization, report, 6080
 poverty—
 authorization and expenses, report, 6079
 expenses, report, 15136
 hearings, 10860
 reports, 874, 898, 914, 7784, 9279, 10736, 10792, 12364-366, 13805, 13809, 15080, 15125, 16364, 16366
 Labor Department:
 annual report, 8281
 appropriations, 1967, law, 491
 appropriations, 1968—
 hearings, 9144, 10631, 13841
 reports, 10612, 15082, 16287
 Assistant Secretary, nomination of Thomas R. Donahue, hearing, 7823
 guidelines and conditions for grant and contract research, 6591
 financial management practices, GAO review, 8147
 Library—
 general periodicals currently received, 5034
 list of recent additions, 3866
 press releases, 3740
 program reports, 16791-792
 publications—
 list, 3624
 1961-June 1966, subject listings, 6595
 safety programs—
 chemical safety data sheet, CDS IS series, 9682-83
 off the job safety, OJS LS series, 16810
 safety training programs—
 how to inspect chart, HTIC LS series, 9684-95, 11308
 effective use suggestions, 11307
 occupational safety aid, OSA LS series, 9697-9720, 12766
 occupational safety charts, 9721-27

Labor Department—Continued
 safety training programs—continued
 student reference, SR 18 series, 6602,
 9731-32
 technical reference, TR 18 series, 9733
 41
 Under Secretary, nomination of James J.
 Reynolds, hearing, 7823
 unemployment taxes, benefits from quar-
 terly collection, GAO review, 8135
 wage rate determinations for construction
 of Carters Dam, Ga., GAO review, 4878
 Labor disputes:
 airlines and employees, settlement, report,
 874
 emergency board report—
 Long Island Railroad Company, 13966
 National Railway Labor Conference,
 9415
 Pan American World Airways, Inc., 4724
 railroad carriers and their employees—
 amend railway labor act—
 law, 9040
 reports, 9112, 9279
 extend period under railway labor act—
 law, 10482
 message from the President, 10511
 reports, 10567, 10736
 negotiations to ward off strike, etc.,
 message from the President, 9074
 provide for settlement—
 hearings, 10660, 10868
 law, 13534
 reports, 12259, 12267, 12364, 13667
 status of negotiations, hearing, 9328
 summary of situation, etc., message
 from the President, 10514
see also Strikes and lockouts.
 Labor force, *see* Labor.
 Labor hygiene, *see* Hygiene.
 Labor hygiene and occupational diseases
 (USSR periodical):
 translations, 1244-45, 4992, 5005, 6491
 Labor laws:
 and practice in—
 Brazil, 11309
 Ethiopia, 5054
 India, 8300
 Israel, 16812
 Lebanon, 2495
 and their administration, convention pro-
 ceedings of International Association of
 Governmental Labor Officials, 11301
 Federal, current, with 1789-1966 legisla-
 tive action, 10647
 Federal legislation to end strikes, docu-
 mentary history, 10861
 labor law series, 5047-50, 9696
 legislation enacted in 1966, 5052
 National Labor Relations Board, case de-
 velopments, quarterly report, 3799
 private-household workers, Illinois, fact
 sheet, 10137
 State—
 affecting women—
 Delaware, 8794
 Ohio, 11912
 summary, 11907
 against discrimination in employment,
 summary—
 because of age, 5050
 fair employment practice act, 5049
 child labor laws, summary, 5047
 of special interest to women, legislation,
 1966, highlights, 11911
 State and Federal, legislation, 1965, 1966,
 annual digest, 14281
see also Child labor—Employers' liability
 and workmen's compensation.
 Labor legislation, *see* Labor laws.
 Labor management relations, *see* Industrial
 relations.
 Labor-management reporting and disclosure
 act of 1959:
 electing union officers as prescribed in
 title 4, etc., requirements, 8286

Labor-management reporting and disclosure
 act of 1959—Continued
 reporting and bonding provisions, admin-
 istration and enforcement, Labor-Man-
 agement Services Administration, Labor
 Dept., GAO review, 8141
 summary of operations, 6598
 technical assistance aid (series), 8286
 Labor-Management Services Administration,
 welfare and pension plans disclosure act
 and labor-management reporting and dis-
 closure act of 1959, reporting and bond-
 ing provisions, administration and en-
 forcement, GAO review, 8141
 Labor market, *see* Labor.
 Labor organizations, *see* Labor unions.
 Labor relations, *see* Industrial relations.
 Labor standards:
 fair labor standards act—
 agriculture sharecropping arrangements
 or landlord-tenant agreements, em-
 ployer-employee relationship, guide,
 13176
 amend, hearings, 16323
 amend to require Secretary of Labor to
 investigate effect of foreign competi-
 tion on domestic employment,
 etc.,—
 hearings, 6034
 reports, 16242, 16256
 amendments of 1966—
 agriculture, minimum wage provi-
 sions, application, hearing, 7732
 basic provisions, extent of coverage,
 economic effects, 17289
 legislative history, printing, report,
 10591
 application to—
 construction industry, 2969
 contract mail carriers, 7226-27
 equal pay for equal work, 11897
 hospitals and nursing homes, 1663
 hotels, motels, restaurants, and food
 service employees, 7225
 laundries and dry cleaning establish-
 ments, 1604
 minors employed in agriculture, 10132
 overtime pay, computing, highlights,
 11895
 retail and service enterprises and
 establishments, 8788
 schools, 10131
 soft drink industry, 17290
 wholesale grocery business, 11896
 child labor provision, guide, 8785
 defining terms, executive, administra-
 tive, professional, etc., 1665
 employment of homeworkers in indus-
 try, 15819
 equal pay provisions, 7224
 message to young workers, 8787
 questions and answers, 17291
 handicapped clients in sheltered work-
 shops, wage payments, technical re-
 port, 18252
 handy reference guide, Spanish edition,
 5590
 how to keep time and pay records, pro-
 visions, 8786
 joint employment relationship, 13178
 quick look at hours worked under act,
 11898
 records to be kept by employers, 11899,
 13179
 reports to Congress as required by sec.
 4(d), 2971, 7228
 retail trade, minimum wage and maxi-
 mum hours, study to measure effects of
 1961 amendments, 5591
 text, with amendments, 2970
 fair labor standards foreign trade act,
 reports, 16242, 16256
 Hospital and Medical Facilities Division
 projects, questions and answers, 8634
 provisions for Public Health Service Con-
 struction grant programs, 8637
 safety standards (periodical), 3845

- Labor Standards Bureau :
bulletins, 1357-58, 5046, 6599, 8287-89,
9681, 9742-46, 11301, 14280-281, 16797,
17887
safety standards (periodical), 3845
- Labor Statistics Bureau :
BLS report series, 2492-95, 5054-55, 8300
11309, 12768, 14282, 15437, 16812-813,
17890-891
bulletin, 2496-2508, 1359-62, 5056-71,
6604-13, 8301-17, 11310-330, 12769-
774, 14283-303, 15438-450, 16814-822,
17892-897
information system, search statement
manual, 15436
NE regional reports, 16828
periodicals, coverage of labor world, list,
1363
publications, catalog, 8318, 17898
surveys and studies, methods used, hand-
book, 2497
- Labor Statistics, Interstate Conference on,
see Interstate Conference on Labor Sta-
tistics.
- Labor surplus, see Unemployed.
- Labor turnover :
factory, monthly release, 3259
measurement, 16826
- Labor unions :
conventions, 1967, list, 14306
directories, national and international in
U.S., changes, 2498
fallout shelters, civilian defense, how does
it affect you? 4283
labor-management reporting and disclosure
act, electing union officers, requirements,
8286
local-transit operating employees, wages
and hours, 14300
local union election appeals, analysis, 6592
motortruck drivers and helpers, wages and
hours, 15444
scientific labor organization proves effec-
tive at Siberian mining institute, 14263
unions and changing status of women
workers, conference, 5608
welfare and pension plans disclosure act—
amend with respect to filing of copies
and making affidavits, hearings, 4531
questions and answers, 14278
see also Fishermen's and fish shore work-
ers' unions—also names of unions.
- Laboratories :
clinical, improve performances—
hearings, 12305, 17670
reports, 16230, 16247
Federal, utilization of resources, case
study, 4537
Food and Drug Administration, sites, se-
lection procedures, hearing, 15032
independent, conditions for medicare cov-
erage of services, 5502
instruments, industrial plant equipment
handbook, 4673
laboratory studies of open-channel flow
(series), 4892
mass rearing fall armyworm, 8805
measurement of meteor luminous efficiency,
11411
packaged disaster hospital laboratory, 2823
procedures in blood banking and immuno-
hematology, 5745
tests to confirm acceleration of slash de-
composition by chemical treatment, 8086
Ukrainian, scientific laboratories, research
gains noted, 14235
see also Research laboratories—Testing
laboratories—also names of laboratories,
or places where located.
- Laboratory animals, see Animals.
- Laboratory apparatus and supplies :
Federal item identification guides for sup-
ply cataloging, supplements, 3289
inhalation anaesthesia of small laboratory
animals, USSR study, 1288
- Laboratory apparatus and supplies—Con.
research equipment, better management,
procurement, and utilization in Federal
laboratories, hearing, 15028
Laboratory aspects of syphilis, 18170
Laboratory arc furnace features, inter-
changeable hearths, 8392
Laboratory profile of 283 healthy male
adults, 7347
Labovitz, I. M., Federal programs for de-
velopment of human resources, etc., 7590
Labrador, sailing directions, 13020
Labrador Sea, oceanography in vicinity of
Hudson Strait, 10445
Labyrinth-type valve seat increases valve life
by decreasing fluid velocity, 1444
Laccadive Islands, sailing directions, 17073
Lacey, Robert E., desalination by electro-
sorption and desorption, 6445
Lacquer and lacquerfing, current industrial
reports, 3169, 10357
Lactates :
anesthetized dog, hydrazine effect, 7359
excess, relation to oxygen deficit during
hypoxia, 7355
Lactic acid, concentration in dogs under
acute hypoxia, 1739
Lactic dehydrogenase, see Dehydrogenase.
Ladd, Harry S., chitons and gastropods
(Haliotidae through Adorbidae) from
western Pacific Islands, 4890
Ladders :
adjustable, self-locking ladder includes op-
tional work platform, 9834
safe practices, 9725
Lady, J. D., electricity, conductors and in-
sulators, classification definitions, 18128
Laemmerzahl, Arthur J., selling in Greece,
4440
Lafayette County, Wis., soil survey report,
1610
Lafferty, J. M., hot-cathode magnetron ion
gauge, 5185
LaFrance, Hazel M., claims against U.S.,
13580
Lagrange multipliers, explicit solution, on
singular subarc of optimal trajectory,
16982
Lagrange problems with variable endpoint
as optimal control problems, 14386
Laguna mining district, geology and uranium
deposits, 8165
Lahore, Pakistan, Lahore Atomic Energy
Center, program development (remarks),
4244
LaHue, Delmon W. :
evaluation of 4 inert dusts on wheat as
protectants against insects in small
bins, 8835
evaluation of malathion, synergized py-
rethrum, and diatomaceous earth—
as protectants against insects in sor-
ghum grain in small bins, 11933
on shelled corn as protectants against
insects in small bins, 36
Laird, Eugene E., relief, 833
Laird, William M., upper and lower bounds
for eigenvalues of vibrating beams with
linearly varying axial load, 2609
Lake, see name of lake, except when occurring
as first word of name of town, etc.
Lake City, Minn., motor carrier accident,
4027
Lake currents, modification of nearshore cur-
rents by coastal structures, 8326
Lake Mead National Recreation Area, general
information, 8558
Lake Oswego High School, teens sound off,
faculty listens to students' serious evalua-
tion, 17726
Lake States, see Great Lakes States.
Lake States Forest Experiment Station, pub-
lications, 1961-65 annotated list, 2288

INDEX 1967

- Lake Survey (Army) :
 - bulletin, 2523
 - miscellaneous paper, 8326
 - research reports, 12776, 16833
- Lakes :
 - America's small lakes, water pollution control and abatement, report, 14986
 - anisotropic ice, ultrasonic pulse measurements, 1754
 - Columbia River Basin, change of storage, 3907
 - mountain, aerial photo techniques for recreation inventory, 14128
 - pollution prevention and control, pilot programs, hearings, 16435
 - see also Great Lakes—also names of lakes.
 - Lam, Yim Mel, relief, 16182, 17532
 - Lamas, Juan F. A., relief, 342
 - Lamb, Fred M., aspen wood characteristics, properties, and uses, review of recent literature, 14134
- Lamb :
 - in family meals, guide for consumers, 17319
 - slaughtering, cutting, and processing on farm, 1690
- Lambert, Edmund B., mushroom growing in United States, 1687
- Lambert, Robert W., documents on disarmament, 1748, 15925
- Lambs :
 - crop, 7197, 14697
 - 1960-64, revised estimates by States, 7297
 - on feed, 5556-57, 5681, 8759
- Laminar flow, see Flow.
- Laminated materials :
 - elastomeric bearings in UH-1 helicopter tail rotor, evaluation, 17389
 - fiberglass laminates, liquid crystals detect voids, 16941
 - flexural behavior of large glued-laminated beams, 8104
 - honeycomb sandwich structures, detection of entrapped moisture, 11453
 - potting compounds for honeycomb sandwich fasteners, depth control, study, 6834
 - ultrasonic quality inspection of bonded honeycomb assemblies is automated, 2664
 - wear and friction of polymer laminates in liquid nitrogen, etc., 2693
 - see also Plastics.
- Lamoidae, see Sharks.
- Lamps, Federal item identification guides for supply cataloging, supplements, 3289
- see also Electric lamps.
- Lanal :
 - small-boat harbor at Manele Bay, Hawaii, additional funds—
 - hearings, 12427
 - report, 10732
- Land :
 - Alaska interior, land types, photo identification guide, 15287
 - atlas of off-road ground roughness power spectral densities, etc., 4195
 - capability classification, 1678
 - challenge of land use (address), 15846
 - conservation and utilization, amend Bankhead-Jones farm tenant act—
 - law, 500
 - report, 910
 - cropland adjustment program—
 - eligibility of farm acquired to replace farm transferred to agency having right of domain, report, 15087
 - Greenspan way, general information, 5672
 - cropland, 1964-65 conversion program, description and appraisal, 9388
 - development handbook for title 10, mortgage insurance, 16575
 - differential assessment of farmland near cities, experience in Maryland, 17712
- Land—Continued
 - facilitate exchanges with Forest Service for use of public schools—
 - hearings, 16303
 - report, 16275
 - Federal participation in cost of airport projects involving donated land, GAO review, 15300
 - forming, means of controlling surface water on level fields, 5642
 - interstate sales full disclosure act, hearings, 17642
 - La Jolla, Calif., donated by University of California, use for marine biological research laboratory, hearing, 746
 - land use intensity, 8204
 - miscellaneous transfers, hearings, 16303
 - open space land planning and taxation, bibliography, 12627
 - open-space land program, questions and answers, 4902
 - ownership maps, 19th century, in Library of Congress, checklist, 16837
 - planned use policy (address), 10158
 - planning bulletin, 8204
 - recreation, price escalation report, 8603
 - Sandoval County, N. Mex., effects of treatment on runoff water supply, 6412
 - soil conservation, devoted to wise use of resources (periodical), 3883
 - State and privately-owned, protection within national forest protection areas, 4561
 - use—
 - crisis in suburbia, picture story, 11939
 - trip generation analysis, guidelines, 15718
 - zoning, aid to community resource development, 17326
 - see also Public lands—Soil conservation.
- Land banks, see Federal land banks.
- Land landing couch dynamics computer program, 15530
- Land Management Bureau :
 - appropriations, 1968, hearings, 7734
 - information bulletins, 8327-28, 15456-457
 - need to resolve differences in procedures used by Federal timber management agencies in appraising timber offered for sale, GAO report, 4871
 - press releases, 3741
 - program briefings, hearings, 10635
 - seasonal employment information, 2524
- Land operational facilities, 14565
- Land tenure, Rainy Lake Chippewa, beginning of 19th century, 6974
- Lander, Wyo., sale of land by Agriculture Dept., reports, 925, 7781
- Landers, William S., coking properties of selected Utah coals and blends, 11377
- Landing (aircraft) :
 - altitude rate command system, 9997
 - approach paths with rainbow optical landing system, 5346
 - approaches—
 - cross-pointer-type instrument display in landing with helicopter, 1488
 - moving-map instrument display in landing with helicopter, 11531
 - depth of flash optical system, 13032
 - equipment, Federal item identification guides for supply cataloging, supplements, 3293
 - heliport standard marking pattern, development study, 17734
 - landing task in jet trainer with restricted fields of view, flight investigation, 11553
 - shadow box optical landing system, 11680
 - simulated, flight characteristics of supersonic transports during approach, 12926
 - snow runways, role of sintering in snow construction, 15930
 - use of displacement, flash, and depth-of-flash coded displays for providing control system information, 5354

Landing (aircraft)—Continued
winged missile model, water-landing characteristics, 9872
X-15, landing contact conditions, statistical analysis, 5271
XB-70, landing-contact conditions, statistical analysis, 11548
Landing (spacecraft), *see* Spacecraft.
Landing gear, tricycle, landing loads, analysis, 14472
Landis, B. J., wireworms on irrigated lands in the West, 10170
Landlords and tenants:
District of Columbia—
code, amend, hearings, 2113
tenants evicted from unsafe and insanitary buildings, make available for relocation payments, hearings, 2113
rent supplement help for tenants, 12623
tenants' rights, legal tools for better housing, report on conference, 14277
Landmarks, *see* Historic sites.
Landrock, Arthur H., military applications of plastics and related materials, 12446
Landrum, Emma J., effect of skewed wing-tip controls on variable-sweep wing-fuselage configuration, 8487
Lands, *see also* Public lands.
Landscape:
development, general information, 14194
evolution and soil formation in southwestern Iowa, 14763
landscaping and scenic enhancement of Federal-aid highways, 1968 authorizations—
hearings, 15174
reports, 15126, 16272
Landslides:
earthquakes of Mar. 27, 1964, Seward, Alaska, effects, 11175
Mount Rainier landslide of Alpine origin, primary microbiological succession, 11119
Lane, Elizabeth, agricultural economics research, 2996
Lanford, Samuel T., shelter through architectural design, 8981
Lang, A. Scheffer, remarks, Jan. 19, 1967, 4451
Lang, Jean M., Zectran fed orally to mice, cholinesterase levels in blood determined, 16657
Lang, William E., simulation of deployment dynamics of spinning spacecraft, 14471
Langan, L. N., soil survey, Las Vegas and Eldorado Valleys area, Nev., 14662
Langbein, W. B., aeration capacity of streams, 9570
Langley lunar landing research facility, operational features, 6875
Langley Research Center:
commemorating 50 years of service to the Nation—
law, 17546
report, 17622
Langmuir probes, *see* Electric probes.
Language and languages:
bilingual education programs, Federal aid to local agencies, hearings, 15170, 16321
communicating by language, speech process, conference proceedings, 7661
disorders, causes, etc., 18178
instruction, financial assistance guidelines under NDEA, 13956
language ability, grades 7-9, 2186
language in Peace Corps, breaking sound barrier, 5378
microlanguage programming on Ural-4 computer and sorting on magnetic tape, USSR study, 12758
modern foreign, national defense education act—
Institutes for advanced study, summer 1967, handbook for directors, 1003
loans to private nonprofit elementary and secondary schools for equipment and materials, 1007

Language and languages—Continued
national defense education act—
modern foreign language fellowships, program, 7905
title 6, language and area studies summer 1967, 1009
overseas activities in support of modern foreign language and area studies, 16506
see also Electronic computers—also names of languages.
Langway, C. C., jr., stratigraphic analysis of deep ice core from Greenland, 13290
Langworthy, James B., neutron production by fusion in class of anisotropic plasmas, 5347
Lannen, Margaret A., additional interest earnings of OASDI trust funds resulting from changed interest rate provided in 1960 amendments, 7116
Lanner, Ronald M., phenology and growth habits of pines in Hawaii, 4854
Lansche, Arnold M., selenium and tellurium, materials survey, 16854
Lanthanum, metal, electrowinning and tapping, 2586
Lanzano, P., periodic solutions for restricted 3-body problem of celestial mechanics, 9813
Laos, mineral industry, minerals yearbook chapter, 11358-359
LaPage, Wilbur F.:
campground trampling & ground cover response, 14138
successful private campgrounds, 8110
La Porte, A. H., research on refurbishable thermostructural panels for manned lifting entry vehicles, 2605
Lappet moths, pine lappet, identification, etc., 8842
Lapping machines, vibratory, metallographic holding fixture permits polishing of soft metals on, 5155
Laramie County, Wyo., geology and groundwater resources, 8179
Larch:
western—
defect estimation in Blue Mountains of Oregon and Washington, 2289
forecasting seed crops, procedure, 4828
forests, productivity indicators, 9535
growth opportunities (paper), 4829
seedlings, insolation limits initial establishment, 14088
Lard, commercial production, 11879
Large, David B., resonances of thin-shell model of earth-ionosphere cavity, 2225
Larkin, L. C., marketing industrial molasses in U.C., 4699
Larsen, Lynn S., soil survey of Elbert County, Colo., eastern part, 1611
Larson, George L., jr., motor carrier accident, 4927
Larson, K. H., distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 1812
Larson, Leonard P., mineral industry of Arizona, 6643
Larson, M. M., racial variation in ponderosa pine at Fort Valley, Ariz., 2315
Larson, Neille G., books on cooperatives, general reading list, 12977
Larve, *see* names of insects, etc.
Laser modulators, 10.6, micron development, 12957
Lasers:
absolute frequency stabilization of laser oscillator against laser amplifier, 14444
accuracy of laser measurements improved by pulse autocorrelator electronic system, 16968
bibliography, 14407
bleaching effect in ZnS(Co) crystals under influence of ruby laser pulses, 9926
concept for using, to measure electron density in plasmas, 6807
create by use of highly ionized plasma, USSR study, 4998

INDEX 1967

Lasers—Continued

- designa concepts using ring lasers for frequency stabilization, 11472
- development of optical waveguides and components, 15508
- Doppler flowmeter, measures gas velocity, 6847
- FM modulation of CW laser beam, 6710
- gas, errors, canceled with neon isotopes, 5226
- helium-neon, discharge parameter study, 17086
- high-power research, NRL progress, 1553
- materials research, 5344
- measuring system accurately locates point coordinates on photograph, 5154
- optic quantum generators, use in biology and medicine, prospects, USSR study, 12738
- optical superheterodyne receiver uses laser for local oscillator, 6753
- precision CW laser automatic tracking system investigated, 6791
- system generates single-frequency light, 16943
- see also Ruby laser.
- Lasher, Lewis P.
- LSD, the false illusion, 17791
- Lasker, Mary, award presentation to (remarks), 1354
- LASO, see Latin American Solidarity Organization.
- Lassie, help her keep America beautiful (poster), 16648
- Lastra, Jesus L., relief, 822, 9248, 13492, 13597
- Las Vegas Valley area, Nev., soil survey report, 14662
- Latches, safety door, for automotive vehicles, Federal standard, 6319
- Late somatic effects of radiation, 10308
- Late Start Operation, see Operation Late Start.
- Lateral ring metal elastic wheel absorbs shock loading, 6821
- Lateral stability, see Stability of aircraft.
- Latex, monodisperse polystyrene latexes, method measures mean particle diameter, 8394
- Latham, Earle E., soil survey, Metcalfe County, Ky., 7135
- Lathes, veneer, how to inspect chart, 11308
- Latia America:
 - agricultural development, role of Inter-American Development Bank (remarks), 10121
 - agricultural production for 20 countries, indices, 4700
 - alliance for progress, support historic new phase—
 - hearings, 7747, 7807
 - reports, 7715, 9098
 - Communist activities, 1967:
 - hearing, 12298
 - report, 12285
 - economic and geographic translations, 3225
 - food for progress—
 - agricultural development, report, 13701
 - report, print additional copies, report, 12241
 - Government operations, review, 7770
 - Latin American common market (remarks), 13468
 - market profiles, 13455
 - mineral industry, regional review, minerals yearbook chapter, 12813
 - paperback books, bibliography, 12779
 - press, abbreviations used, glossary, 12721
 - social progress trust fund agreement with Inter-American Development Bank, protocol, 2913
 - subcommittees attendance at meetings, authorization, report, 7718

Latia America—Continued

- summit conference—
 - understanding on behalf of U.S., recommendations, message from the President, 7610
 - welcoming etc., report, 10728
- United States foreign aid in action, case study, 2122
- Latin American Solidarity Organization, conference, July 28–Aug. 5, 1967, Senate Judiciary Committee staff study, 13872
- Lattice theories, see Crystal lattices.
- Lattu, Onnie P.:
 - remarks—
 - Dec. 14, 1966, 5366
 - Oct. 3, 1967, 17101
- Latvia:
 - Academy of Sciences, activities reviewed, 8250
 - Academy of Sciences, biographies of members, 1163
 - power engineering trends, 1235
 - State prize candidates in science and production, USSR announcement, 12683
- Launch vehicles, see Spacecraft.
- Launching facilities:
 - aircraft equipment, Federal item identification guides for supply cataloging, supplements, 3293
 - dynamic launch decision criteria, system automatically provides, 17974
 - space port traced in Zvezdograd, development, 1251
- Laundry and laundries:
 - field laundry operations, Army technical manual, 8885
 - hospital laundry, design and equipment, 7071
 - industry wage survey, 14298
 - sanitation in home laundering, 17317
 - under Fair labor standards act, as amended, 1664
- Laurel, Oscar M., nomination, hearing, 10823
- Lauriat, Patience, paper, Aug. 15–19, 1966, 1880
- Lauzardo, Esther Y., relief, 9232, 12238, 13497
- Lava Beds National Monument, general information, 17052
- Lavapies, Nermín D., relief, 305
- Laventhol, Jesse, major legislative actions, 90th Congress, 1st session, 9047, 13548
- Laventure, Louis, or heirs, relief, 610
- Law:
 - advocates for the poor, Legal Services Program, 6161
 - China, mainland, selected legal sources, guide, 11338
 - enactment—
 - procedural steps, 13720
 - procedure, print revised edition, report, 12369
 - Equal Employment Opportunity Commission, annual digest of legal interpretations, 12480
 - general interest, summary, 89th Congress, 4572
 - how our laws are made, 10520
 - reprinting, reports, 10589, 10788
 - JAG law review, 3453
 - Judge Advocate legal service, Army pamphlets, 3461
 - law and the deaf, 17183
 - law in action, legal services program of War on Poverty, 3466
 - legal aspects of PHS medical care, 1582
 - legal proceedings, testimony by employees and production of records, federal aviation regulations, 11005
 - legal services—
 - community action program, how to apply, 15203
 - fact sheet, Economic Opportunity Office, 4691
 - in action, the poor seek justice, 12449

Law—Continued

Legal Services Program—
annual report, Economic Opportunity
Office, 4690
guidelines, 16482
local law, application in military claims
in determining negligence, report, 12279
Navy, Judge Advocate General Office, or-
ganization and functions, 15633
newsman's privilege, legal procedure, 2129
procurement legal service, Army pam-
phlets, 5737, 7389, 8883-84, 13300,
14799-800
publications, price list, 10037
slip laws (private)—
89th Congress, 250-359
90th Congress, 10476-479, 12143-154,
13474-521, 14884-905, 16122-127,
17490-535
slip laws (public)—
89th Congress, 360-514, 1970-71, 3783,
12155-163
90th Congress, 9031-40, 10480-490,
12164-183, 13522-541, 14906-915,
16128-145, 17536-561
Soviet law and social regulation, transla-
tions, 3967
State, compulsory school attendance,
summaries, etc., 2191
statutes, Government Operations Commit-
tee, House, 4538
subject index of regulations published in
Sibirka zakonu CSSR, Czechoslovakia,
15423
tenants' rights, legal tools for better
housing, report on conference, 14277
see also Codes of law—Criminal law—
Military law—Statutes at large—also
subjects.

Law enforcement:
agencies, activities relating to small busi-
ness, report, 4513
career opportunities, Treasury enforce-
ment agent, 5575
controlling crime through more effective
law enforcement, hearings, 15166
Federal assistance to State and local gov-
ernments—
act of 1965, activities under, report,
11292
amend act—
law, 502
reports, 635, 929
highway safety study, Operation 66, joint
engineering-enforcement, project report,
1594
housing codes in 6 Connecticut cities,
14852
law enforcement and criminal justice as-
sistance act of 1967, reports, 13670,
13685
local agencies, Secretary of Labor to col-
lect, etc., employment data, hearings,
16325
local officers killed while apprehending
Federal offender, provide compensa-
tion to survivors—
hearings, 15166
reports, 14976, 15110
major metropolitan areas, crime and law
enforcement studies, 13060
victimization and attitudes toward, in
D.C., 13058

Law Enforcement and Administration of
Justice, President's Commission on, see
President's Commission on Law Enforce-
ment and Administration of Justice.

Lawns:
diseases, how to control them, 11931
weed control with herbicides, 15854

Lawrence, J. D., jr., optical radar measure-
ments of atmosphere, 8420

Lawrence, Mass., area wage survey, 15440

Lawrence Radiation Laboratory, Livermore,
Calif., 15 years of achievement (remarks),
15970

Lawroski, Stephen, reactor fuel processing,
quarterly technical progress review, 3806

Laws, see Codes of law—Labor laws—Law—
also subjects.

Lawson-Dumont-Fall River mining district,
Colo., geology and ore deposits, 16683

Lawsuits:
advocates for the poor, Legal Services
Program, 6161
career opportunities with Civil Aeronautics
Board, 16045
corporate voluntary balance of payments,
program and lawyer (remarks), 224
Federal attorneys, appointment records,
pamphlet to accompany microcopy
Idaho, Territory and State, 18071
labor relations role (remarks), 14525
legal careers in Federal government, 13447
pay, national survey, 2507
recovery of reasonable fees, amend inter-
state commerce act, hearings, 17645

Laycock, William A.:
comandra, grazing, and comandra blister
rust, 14127
distribution of roots and rhizomes in dif-
ferent soil types in Pine Barrens, New
Jersey, 6408

Laymon, Richard S., image interpreter map
displays, chip versus hard copy, 4224

Layout, equipment, and work methods for
school lunch kitchens and serving lines,
4121

Layout guidelines for peach packinghouses,
7247

Layouts, see Plants (Industrial).

Layton, Garrison P., jr., flight tests of wide-
angle, indirect optical viewing system in
high-performance jet aircraft, 1497

Lazaro, Eric J., relief, 258

Lazarow, Arnold:
diabetes literature index, 3203
1966 index issue, 14621

LD, see Lethal dose.

Lea, Robert N., stability of numerical solu-
tions of ordinary differential equations,
5243

Lead, S. Dak., gold distribution in diamond-
drill core from Homestake Mine, 6679

Lead:
compounds, plate materials of lead-acid
cell, anodic oxidation, 11672
geology of upper Mississippi Valley zinc-
lead district (series), 6388
industry, mineral industry survey, month-
ly, 3467
in indium, determination, 9985
lead-silica glass, viscosity of standard
type, 1520
lead-zinc industry—
Pacific Northwest, analysis, 11352
stabilization—
hearing, 12413
report, 10752
lead-zinc sinter, complex, electric smelt-
ing, 14353
mine production, mineral industry survey,
monthly, 3468
minerals yearbook chapters, 2545, 5107
ores, domestic reserves and potential
sources, evaluation, 8340
tin-lead solders and solder joints, tests,
11388
zinc-lead district of upper Mississippi Val-
ley, aeromagnetic and tectonic analysis,
4888
see also names of articles manufactured
from lead.

Lead poisoning:
in children, 16042
malturds, test of grit types in alleviating,
17786

INDEX 1967

- Lead sulfates, anodic oxidation of $PbSO_4$, etc., plate materials of lead-acid cell, 11672
- Leadbetter, Sumner A., design and fabrication considerations for 1/10-scale replica model of Apollo/Saturn V, 16988
- Leadership:
 - Army Junior ROTC, training today for leadership tomorrow, 4193
 - Army officers' call, theirs to reason why, 15940
 - 4-H club entomology leaders' guide, 4134
 - squad leaders, Army pamphlet, 11988
 - take me to your leader (address), 10318
 - USDA, for more beautiful countryside, 49
- Leading edge, *see* Aircraft—Airfoils—Wings (aircraft).
- Leaf, Charles F., sediment yields from high mountain watersheds, central Colorado, 2332
- Leafhoppers, Western Hemisphere Balclutha (Homoptera: Cicadellidae), classification, 8547
 - see also* Beet leafhopper.
- Leaflets, *see* names of departments, etc., issuing leaflets—*also* subjects.
- Leak, William M., report of NRL progress, 3821
- Leak detectors:
 - gas leak detector is simple and inexpensive 6827
 - portable set discloses helium leak rates, 9833
- Leaks:
 - correlations for predicting leakage through closed valves, 17038
 - cryogenic seal remains leaktight during thermal displacement, 12837
 - face contact seal in liquid sodium performance improved in incorporation of spiral-groove geometry, 11505
 - friction and leakage losses in blade-rings of turbines and turbine units, 5277
 - helium leak testing of pipe welds, fixture to facilitate, 12904
- Learn and train for job under MDTA, 13971
- Learning:
 - grouping as related to pupil learning, survey of research, 4721
 - in action, selected issues in training and demonstration projects, 2973
 - paired-associate experiments, confidence in recall, 13262
 - programmed, Air Force manual, 8850
 - psychology and the theory of learning, USSR study, 14268
 - use of culling in training tasks, phase 3, 15635
- Leary, Richard J., blast furnace operation with natural gas injection and oxygen-enriched blast, 12828
- Leases:
 - air space in District of Columbia, authorize, hearings, 16407, 17598
 - geothermal steam deposits, issuance of leases, hearings, 4546, 12411, 15037
 - Gila River Indian Reservation, 99-year term, report, 12243
 - Hualapai Indian Reservation, 99-year term, report, 12244
 - Indian long-term leasing act, amend extending terms, etc., report, 15078
 - leasing program for low income families, administered by local housing authorities, 2382, 11199
 - long-term, on San Xavier and Salt River Pima-Maricopa Indian Reservations, law, 429
 - oil and gas lease—
 - New Mexico, reinstate, 530, 12324
 - reinstatement, etc., by Secretary of Interior, hearings, 13708
 - Wyoming, reinstate, reports, 10738, 10740
- Leases—Continued
 - oil lease, New Mexico, reinstate, 10704
 - Post Office Dept. for real property, extend authority—
 - hearings, 7827, 9165
 - law, 10484
 - reports, 10562, 10726
 - San Carlos Apache Reservation, 99-year term, report, 12261
 - Yosemite National Park, El Portal site, extend term, report, 15002
- Least squares:
 - method, analysis of gamma-ray spectra, computer program, 8630
 - nonlinear regression and principle of least squares, evaluating constants and calculating variances and covariances, 6681
- Leather goods, *see* Leather, hides, and skins.
- Leather, hides and skins:
 - hide trim pattern for domestic cattlehides, standard of trade, 5283, 8517
 - leather goods, general repair, technical manual, 13302
 - leather manufactures and allied products summary of information, 12029
 - leather products, new developments (talk), 4703
 - leathers, Federal item identification guides for supply cataloging, supplements, 3292
 - new developments in hide and leather industry (speech), 12459
 - personal leather goods, current industrial reports, 3169
 - unhairing hides at packinghouse, economic aspects, 11934
- Leave of absence:
 - administrative leave to employees representing Government employee organizations, decision of Comptroller General regarding, 17610
 - annual and sick leave act of 1951, amend to exempt from coverage of act officers and members of crews of vessels, hearing, 4553
 - District of Columbia teachers leave act of 1949., amend relative to sick leave provisions, report, 19991
 - Federal employees' administrative leave for hurricanes, etc., hearing, 748
 - Federal seafaring employees, additional leave, law, 459
 - Government employees not to be charged for absence as result of hostile action abroad, report, 10768
 - Government officials and employees, FPM supplement, 3305
 - uniformed service members voluntarily extending tour of duty in hostile fire area, authorize special 30-day period of leave—
 - hearing, 716
 - law, 448
- Leaves, foliage plants, production and sales, etc., 10108
- Lebanon:
 - capsule facts for Armed Forces, 13282
 - Israeli armistice line, boundary study, 11829
 - labor law and practice, 2495
 - mineral industry, minerals yearbook chapter, 5113
- LeBeau, Oscar R., ways farmers do business, 2229
- LeBel, Peter J., sensors to obtain in-flight ablation measurements of thermal-protection materials, 1494
- Lebowitz, A. I., mechanization of USAEC library, 1st legislative information, 5790
- Lecithinase, *see* Phospholipases.
- Lectures, *see* Addresses, lectures, etc.
- Lederer, Paul S.:
 - life cycling test on several strain gage pressure transducers, 18083
 - methods for performance-testing of electro-mechanical pressure transducers, 6923

- Lee, B. J. :
pitch control motor for launch escape system of Apollo spacecraft program, 15560
solid propellant rocket motor performance computer programs using group transformation method, 1483
- Lee Duk Hee, relief, 13766, 16217, 17518
- Lee, Edwin E., jr., interaction effects of control jet exhausting radially from nose of ogive-cylinder body, 5237
- Lee, George R., sport fishery abstracts, 3891
- Lee, Henry A., low-speed dynamic-model investigation of Apollo command module configurations in Langley spin tunnel, 14452
- Lee, Robert E., nomination, hearing, 13855
- Lee, Robert S., ten-bit analog-to-digital converter, 11486
- Leef, Albert E., dual-channel, VHF-UHF transmitter for Gemini experiment D-14, 10004
- Lees, L., mixing parameter analytical method used for laminar separations, investigation, 9806
- Leeward Islands :
Antigua—
Peace Corps volunteers, agreement, 13146
tracking station, agreement with Great Britain, 8749
St. Christopher, Nevis, and Anguilla, Peace Corps program, agreement, 11851
- Legal aspects of PHS medical care, 1582
- Legal procedures, *see* Law.
- Legal research, Project LITE (legal information through electronics), hearing, 15034
- Legal services, *see* Law.
- Legibility of alphanumeric characters and other symbols, 6917
- Legislation :
89th Congress, 2d sess., of interest to National Institutes of Health, summary, 7094
major legislative actions, 90th Congress, 9047, 10494, 13548
Public Works Committee—
House, activities, 89th Congress, 6041
Senate, activities and accomplishments, 89th Congress, 4658
record, 89th Congress, 2d session, 767
- State—
legislation of special interest to women, 1966 highlights, 10141
program of Advisory Commission on Intergovernmental Relations, 15822
see also Labor laws—Law—*also* subjects.
- Legislative appropriations, *see* Appropriations.
- Legislative reorganization act, *see* Congress of United States.
- LeGrand, H. E., ground water of Piedmont and Blue Ridge provinces in southeastern States, 9566
- Legumes, inoculation, what it is, what it does, 14739
- Lehrman, Hal, rebellion in Russia's Europe, fact and fiction, print additional copies, report, 12373
- Lei, Kenneth P. V. :
electrolytic process for producing ductile vanadium, 12825
molten-salt electrorefining vanadium scrap, 17916
- Leiman, Martin, food retailing by discount houses, 5652
- Leinenbach, Paul, selling in Denmark, 233
- Leiss, Amelia C., arms control and limited war in developing areas, 15924
- Leisure :
changing cultural patterns, 5042
time, leisure, and computer, crisis of modern technology (remarks), 5799
- Lemke, Richard W., effects of earthquake of Mar. 27, 1964 at Seward, Alaska, 11175
- Lempel, Michael J., determining heat-transfer characteristics for dilute gas-solids mixture in externally heated tube, 14328
- Lending operations, *see* Loans.
- Leontsy, Charles D.
soil survey of Adams County, Wash., 18212
- Lenin prizes :
nominees listed, USSR article, 8252
science and technology, recipients, 9657
- Leningrad, Russian SFSR, Central Bureau of Technical Information services for technical progress, value, 6513
- Leninism, *see* Communism.
- Lens (eye) :
panels illuminated by edge-lighted lens technique, 5204
- Lenses, welders' helmets, military standard, 9372
- Lente, Joe E., artist of Isleta paintings in pueblo society, 14547
- Leouard, J. T., hysteresis loop method to study thixotropic suspensions, 10005, 11679
- Leonard, Olen E., low-income families in Spanish-surname population of Southwest, 9389
- Leonard, Regis F., elastic and inelastic scattering of alpha particles from even tellurium isotopes, 11536
- Leone, Oliver Q., electrorefining of titanium-nitrogen alloys, 2582
- Leong, Roderick, evaluation of pump and reeled hose system for studying vertical distribution of small Plankton, 14065
- Leonhardy, Henry P., relief, 318, 567, 847
- Lepidoptera, *see* Microlepidoptera—Moths—Stenomitidae.
- Leshner, Richard L., assessing technology transfer, 2619
- Lesions, colorectal polypoid lesions, 14772
see also Chorioretinal.
- Lesotho, *see* South Africa.
- Les progress de l'instruction publique aux Etats-Unis d'Amerique, 1966-67, 13955
- Lessert, Clement, or heirs, relief, 610
- Lethal dose, gamma radiation LD 50(30) for rabbit, 17347
- Lethata, *see* Microlepidoptera.
- Let's cook fish! complete guide to fish cookery, 9515
- Let's face it, security is up to you, 10901
- Letters, transportation restrictions, private express, statutes, 17120
- Lettuce :
film-wrapped and naked-packed, market quality, 10152
head lettuce held in low-oxygen atmospheres, market quality and rate of respiration, 10180
temperatures, relative humidity, and atmosphere composition in mechanically refrigerated car and trailer loaded with lettuce, 15825
transit temperatures and crushing in transcontinental shipments, effect of load pattern, 11916
western, shipped in piggyback trailers, nitrogen effect on transit temperatures and market quality, 5644
- Leukemia :
childhood leukemia, pamphlet for parents, 18157
human, recent research on viroid etiology, Rumanian studies, 6549
murine leukemia, conference, 1583
- Leukosis, *see* Avian leukosis.
- Levadi, Solomon S., claim against U.S., 784, 7639
- Levesque, Richard J., time-optimal response of feedback control systems by means of discontinuous rate compensation, 16898
- Levine, Gerald, relief, 7623
- Levine, Milton, American science manpower, 1964, report, etc., 5323
- Levine, Nathan, relief, 274, 807

Levinson, David, displaced pottery workers' adjustment to layoff, 1360

Levison, William H., studies of multivariable manual control systems, 17934

Levy hypoxia test, *see* Hypoxia.

Lewallen, Jay M., modified quasilinearization concept for solving nonlinear 2-point boundary value problem, 12941

Lewis, Alan G., copepod crustaceans parasitic on teleost fishes of Hawaiian Islands, 11603

Lewis, Mark F., diagnostic tests of color defective vision, bibliography, 17411

Lewis, Wayne C., thermal conductivity of wood-base fiber and particle panel materials, 14124

Lewis and Clark Trail, development, etc., program promotion, report, 2526

Lewis and Clark Trail Commission: appropriations, 1968—
hearings, 7734, 9302
law, 12170
reports, 10560, 10766, 12252
press releases, 3742
report of activities, 2526

Lhermitte, Roger M., probing balloon motion by Doppler radar, 16532

Liability insurance, uninsured motorist coverage required part of every automobile liability policy, report, 13644

Liammari, J. J., international coal trade, monthly inventory, 3433

Liapunov method:
application of Lyapunov stability theory to some nonlinear problems in hydrodynamics, 16915
functions for class of n^{th} order nonlinear differential equations, 5180
Lyapunov functions from auxiliary exact differential equations, 11421

Libbey, Charles E., wind-tunnel investigation of static aerodynamic characteristics of 18-foot (5.49-meter) all-flexible parawing, 11488

Libby, Paul A., heat and mass transfer at general 3-dimensional stagnation point, 12869

Liberia:
agricultural commodities, agreement, 2891
background notes, 17214
housing, basic information, 6421
labor conditions, 1377
mineral industry, minerals yearbook chapter, 6654

Lieberman, D. S., failure reporting and management techniques in Surveyor program, 14406

Liberty:
contemporary international Communist workers, and national-liberation movement, USSR studies, 5003-4
outlook for freedom (address), 1629

Librarians:
examination announcements, 4404, 10417
Veterans Administration installations, 10411
library manpower, occupational characteristics of public and school librarians, 4713
National Library of Medicine, library associate program, curriculum, qualifications, etc., 5302
school library personnel, national defense education act, institutes for advanced study, summer 1967 handbook, for directors, 1003
vacancy roster, Federal Government libraries, 3337
Veterans Administration hospitals, nationwide career information, 18248

Libraries:
Air Force, buying calendar for annual publications, 8859
Army technical library improvement studies, 10265

Libraries—Continued
college library resources program, grants for library materials, policies and procedures manual, 9405
depository, law governing, and list of libraries, 7765
depository libraries, list, 3568
Federal Government, rosters of libraries and vacancies, 3337
higher education act of 1965, administration of programs, 1966, notes and working papers, 12422
it's the latest, it's the greatest, it's the liber-ee, bringing libraries to the people, 12466
library and information science, research program, 7901
library manpower, occupational characteristics of public and school librarians, 4713
library services an construction act, extend and amend—
law, general information, 1135
report, 16298
new serial titles—
classified subject arrangement, 3626
union list, alphabetical arrangement, 3627
opportunities for health science libraries, 6941
school, resources, acquiring under ESEA, guidelines, 16513
statewide long-range planning, conference report, 1016
technical library services, user's guide, Army pamphlets, 10265
see also Bookmobiles—Children's literature—also names of departments, etc—also names of libraries or places where located.

Library accessions:
Adjutant General's Office, Army Library, 3864
Ceylon, American Libraries Book Procurement Center, New Delhi, 11337
Federal Fire Council, list, 3511
foreign statistical publications, 3350
India, American Libraries Book Procurement Center, New Delhi, 3416
Indonesia, American Libraries Book Procurement Center, Djakarta, 3419
Interior Department, 3509
Israel, American Libraries Book Procurement Center, Tel-Aviv, 3450
Labor Department Library, 3866
Middle East, American Libraries Book Procurement Center, Cairo, 3554
Nepal, American Libraries Book Procurement Center, New Delhi, 3618
Pakistan, American Libraries Book Procurement Centers, Karachi and Dacca, 3673
Reclamation Bureau Library, list, 3504
Russian, Library of Congress, monthly index, 3575
Library Committee, Federal, *see* Federal Library Committee.
Library list, National Agricultural Library, 1517, 8515, 14505
Library of Congress:
accessions—
Ceylon, American Libraries Book Procurement Center, New Delhi, 11337
India, American Libraries Book Procurement Center, New Delhi, 3416
Indonesia, American Libraries Book Procurement Center, Djakarta, 3419
Israel, American Libraries Book Procurement Center, Tel-Aviv, 3450
Middle East, American Libraries Book Procurement Center, Cairo, 3554
Nepal, American Libraries Book Procurement Center, New Delhi, 3618
Pakistan, American Libraries Book Procurement Centers, Karachi and Dacca, 3673

Library of Congress:

- accessions—continued
 - Russian, monthly index, 3575
- appropriations, 1968, legislative—
 - hearings, 10633, 12398
 - law, 13537
 - reports, 10617, 13672, 13813
- archive of recorded poetry and literature,
 - checklist, 5089
- calendar of events, 3072
- cataloging service bulletin, 3081
- catalogs—
 - books, subjects, 2529, 3505
 - dictionary, subject headings used, 3910
 - motion pictures and filmstrips, 3506
 - music and phonorecords, 15459
 - national register of microforms masters, 2530
 - national union catalog, 3601
 - annual cumulation, 1393
 - manuscript collections, 2531
 - register of additional locations, 16838
- classification—
 - additions and changes, quarterly list, 3464
 - class G, geography, etc., 5086
 - class L, education, 5087
 - class P, subclass PQ, French literature, 2527
 - class Q, science, 9749
 - class R, medicine, 5088
 - class U, military science, 2528
- collection of papers of—
 - Chambers, Washington Irving, 11340
 - Schurz, Carl, 8330
- information bulletin, 3421
- national reference library of children's books, 2532
- PL 480 newsletter, 3507
- President's papers index series, 6623
- Public law 480 project, accessions list—
 - Ceylon, 11337
 - India, 3416
 - Indonesia, 3419
 - Israel, 3450
 - Middle East, 3554
 - Nepal, 3618
 - Pakistan, 3673
- publications in print, 11339
- publications, price list, 10041
- quarterly journal, 3795
- report, 1966—
 - departmental edition, 11336
 - document edition, 10500
- Library recordings, checklist of archive of recorded poetry and literature in Library of Congress, 5089
- Library science move the information, use of computers, etc., 14766
- Library services of National Clearinghouse for Smoking and Health, 11740
- Libya:
 - capsule facts for Armed Forces, 11978
 - labor conditions, 1378
 - mineral industry, minerals yearbook chapter, 6655
- Licciardello, J. J., effect of repeated treatment with gamma rays on radio-resistance, virulence and culture characteristics of certain pathogenic and related bacteria, 12018
- Lice:
 - amblyceran Mallophaga found on horn-bills, 8541
 - Carriker on Mallophaga, posthumous papers, catalog of forms described as new, and bibliography, 15599
 - eradication agents investigated, USSR study, 4967
- Licenses:
 - AEC licensing guide, 15957
 - drivers, statistics, 17176
 - export, approved and reexportations authorized, list, 3250
 - nuclear reactors, hearings, 12184

Licenses—Continued

- see also Liquors—also classes of persons to whom, or subjects for which, licenses are issued.
- Lichee, see Litchi.
- Lidar observations of Pre-Gondola 1 clouds, 17397
- Lie series, see Algebra.
- Liens:
 - established by judgment or decree by District of Columbia Court of General Sessions, recordation by recorder of deeds—
 - law, 1971
 - reports, 2026, 2102
 - establishment by judgment or decree by U.S. District Court for District of Columbia, report, 12385
 - Farmers Home Administration, release of valueless liens, etc., permit, report, 15090
 - Federal tax lien act—
 - law, 433
 - legislative history, 757
 - report, 656
 - masters of certain vesels for wages and disbursements, grants—
 - hearings, 10663
 - reports, 12250, 17632
- Liepins, Atis A., vibration study of pressurized turns shell, 16908
- Liesegang rings, bibliography, 15390
- Life:
 - processes—
 - effect of solar activity, USSR study, 1213
 - effects of radiation and radiolotopes, bibliography, indexes, 13343
 - Life cycling test on several strain gage pressure transducers, 18083
 - Life insurance:
 - credit, for student loans, increase maximum amount allowable in D.C., report 882
 - Federal employees group act of 1954, amend, increasing coverage, etc., veto message, 4467
 - Federal employees group insurance—
 - annual report, 7540
 - FPM manual, supplement, 3302
 - increase coverage—
 - hearings, 6124, 10673
 - reports, 13662, 13806
 - veto, 16155
 - national service—
 - refunds, Philippine peso payments—
 - law, 372
 - report, 905
 - regular dividend schedules, 8780
 - servicemen's group life insurance program, annual report, 8778
 - veterans and servicemen, government programs, annual report, 8779
- Life insurance companies:
 - alien, operating in D.C., public announcement of financial condition, report, 16292
 - farm mortgage lending experience, 9395
 - income tax spin-off, report, 15093
 - nonfarm mortgage investments, 15241
- Life lines, U.S. sea lanes, impact of waterborne commerce on American industrial productivity, 8574
- Life protection series, FDA's, 9522-23, 12562
- Life sciences, research objectives, 1967, OAR, 7336
- Life spent in a favorite work, review of book, USSR, 1177
- Life support systems:
 - closed system, conference on problems, etc., 15515
 - integrated, contaminant producing materials within, environmental testing, 11416
 - space flights of extended time periods, 1425

INDEX 1967

- Life tables:**
National Center for Health Statistics, data, bound volume, 5444-45
State, 1959-61—
Alabama-Missouri, 5444
Montana-Wyoming, 5445
variance and covariance of functions estimated from sample of deaths, 8657
- Lift (aircraft):**
all-flexible parawing for landing lifting-body spacecraft, low-speed tests, 11550
vortex, of sharp-edge delta wings, concept based on leading-edge-suction analogy, 2726
VTOL aircraft with jet-ejector system for lift augmentation, wind-tunnel investigation, 2706
- Lift fan technology studies, 11402**
- Lifting, safety, proper way to lift, 6601**
- Lifting bodies, 8430**
- Ligand molecules, see Molecules.**
- Light:**
adaptation, homogeneous field, 4255
color modulation of stationary beam, 2628
electro-optic modulators, 1489
exposure of men to intermittent photic stimulation under simulated IFR conditions, 5802
induced free radicals in wood, 4846
insect trapping with, student, or classroom science project, 4136
intensity data of Trailblazer I reentry bodies, summary, 2690
intensity modulator withstands high heat fluxes, 2657
laser system generates single-frequency light, 16943
ophthalmoscopy in indirect light, USSR study, 12688
photobiology, 10311
point-source sensor circuit is insensitive to background light, 2637
scattering—
gas density measurements, 11490
in highly reflecting pigmented coatings, summary of investigations, 14392
study of biological macromolecules, Rumania, 14234
source detector improved, photocell shadowing technique, 2674
sources for remote sensing systems, 16893
transmission through plane water surface and its return by submerged retroreflector, 13031
see also Polarization (light).
- Light filters:**
electronic filter discriminates between true and false reflections, 9837
exposure value (EV) system expanded to include filter factors and transmittance, 6765
transmission characteristics of auto analyzer colorimeter filters determination, 7352
- Light lists, see Lights and lighting.**
- Light modulators, electro-optic and magneto-optic, 11487**
- Lighthouse Service:**
cost-of-living annuity adjustments, report, 12253
former employees—
retired pay, increase, report, 12256
retirement age, lower requirement, report, 12251
widows of former employees, increased annuities, report, 12253
widows of former professional employees, provide annuities, report, 12254
- Lighting, see Lights and lighting.**
- Lighting equipment, see Lights and lighting.**
- Lightning:**
ball, USSR study, 1332
general information, safety rules, etc., 6229
- Lightning arrestors, consolidated identification flat for test evaluation, Federal supply catalog, Department of Defense section, 3318, 7855**
- Lights and lighting:**
Coast Guard lists—
Atlantic and Gulf Coasts, and Antilles, 12123
Atlantic coast, local, 14877
Great Lakes, 9003
Mississippi River system, 9004
Pacific Coast and Pacific Islands, 16089
colors of signal lights, selection, definition, measurement, production, and use, 8522
desk light, Federal standard, 17764
determining scattering and absorption coefficients of paper by diffuse illumination, 11114
economy approach lighting aids for airports, 10245
electric lighting fixtures, current industrial reports, 5858
fixtures, Federal item identification guides for supply cataloging, supplements, 3289
high intensity runway lighting system, 12499
illumination for safety in industry, instructor outline, 8296
illumination levels for various kinds of industrial work, student reference, 9731
light sources for remote sensing systems, 16893
maintenance of lights in Red Sea, agreement, 8729
Naval Oceanographic Office, lists—
Baltic Sea with Kattegat, etc., 1539, 7005, 11643, 18101
British Isles, etc., 5334, 11644
Europe and Africa, west coasts, etc., 1538, 5333, 11643, 18100
Greenland, etc., 5331, 9972, 14578
North and South American, west coasts, etc., 1537, 7004, 11642, 18099
Norway, Iceland, and Arctic Ocean, 5335, 8572
Pacific Ocean, western, etc., 5332, 9973, 14579
outdoor recreation, lighting for, 10331
panels illuminated by edge-lighted lens technique, 5204
temporary lights for flammable and general use, maritime safety data, 17889
- Lignin:**
effect of inorganic salts on pyrolysis determined by dynamic thermogravimetry, 8103
production and detection in wood, 8060
- Lignite:**
pulverizing in ball mill, 15476
technology and use, Mines Bureau-University of North Dakota Symposium, 1965, proceedings, 1398
thickness of bituminous coal and lignite seams mined, 14327
see also Coal.
- Lignite tar, see Tar.**
- Lim Al Ran, relief, 16180, 17528**
- Lim, Benjamin H.:**
mineral industry of—
Cambodia, Hong Kong, Laos, North Viet-Nam and South Viet-Nam, 11358-359
Japan, 12803
Venezuela, 12809
- Lim Soo Ran, relief, 16180, 17528**
- Limb rust, damage to pine trees, 4848**
- Lime:**
mineral industry survey, monthly, 350S
minerals yearbook chapter, 2546
structure, effect in oxygen steelmaking, 6882
- Lime-soda sintering:**
alumina—
extractability from anorthosite, correlation of reaction products, 9784

Lime-soda sintering—Continued
alumina—continued
produced from clay, evaluation of
process, 9779

Limestone:
crushed, coarse aggregate, 3- and 6-in.
maximum size, contained in mass con-
crete, comparison of properties, 4745,
6216

imported for use in manufacture of cement,
duty-free treatment—

law, 10483
reports, 9092, 10563

Mammoth Cave area, hydrology, 1132
Tertiary, artesian water, in Southeastern
States, 6399

Twin Creek limestone (Jurassic) in west-
ern interior of United States, 8168

Winchell, Brown County, Tex., Fusul-
lidae, 12615

Limitations (law):

District of Columbia, amend statute of
limitations in civil actions arising
from unsafe property improvements—

hearing, 17596
report, 16295

Limnological studies (series), 8171

Lin, Chuan-jui, place-stress analysis of edge-
stiffened rectangular plate, etc., 16895

Lineweaver, F. P., jr., residential water use,
11206

Lincoln, Abraham:

brief biography, 14550
Ford's Theatre, and House Where Lincoln
Died, general information, 11613

100th anniversary of 2d inauguration,
ceremonies and reenactment, Mar. 4,
1965, on east front of Capitol of U.S.,
16150

White House china of Lincoln Administra-
tion, 15600

Lincoln Center, student program opens new
world to teenagers, 12465

Lincoln County, Colo., Big Sandy Creek Val-
ley, geology and ground-water resources,
11191

Lincoln Creek formation, Grays Harbor
basin, southwestern Washington, 12603

Lincoln Memorial, general information, 14550

Lindley, Jonathan, paper, Apr. 28, 1967,
13929

Lindorff, D. P., control of nonlinear multi-
variable systems, 6725

Lindsay, Ian R., effects of 55 Mev protons
on primates, 4179

Lindstedt method, see Mathematics.

Line adapter provides quick disconnect under
moderate side loading, 15535

Linear accelerators, see Accelerators.

Linear discriminant analysis of multivariate
assay and other mineral data, 6680

Linear equations, see Equations.

Linear ion accelerators, see Accelerators.

Linear programming:
circuit analysis for IBM 1620 Monitor IV,
etc., 15525

interindustry relationships, potential de-
mand, 1970, employment projections,
2508

1970 input-output coefficients, 17891
see also Electronic computers.

Linear systems, space vehicle flight control
systems, 15497

Linearized error analysis of onboard pri-
mary navigation systems for Apollo lunar
module, 15556

Linehan, Mary B., relief, 17534, 17621

Lines, see Electric lines—Telephone lines.

Lineweaver, Hans, heat stability of egg
white proteins under minimal conditions
that kill salmonellae, 11918

Liu-fu, Jane S., lead poisoning in children,
16042

Linings, fuel tank, effects of jet fuel anti-
icing additive, final report, 9991

Link, Richard F.:
computer method of fitting surfaces to
assay and other data in three dimen-
sions by quadratic-regression analysis,
2580

linear discriminant analysis of multivari-
ate assay and other mineral data, 6680

Linnehan, John J., nomination, hearing, 4657

Linsenmayer, Tadd A., establishing business
in Taiwan, 10462

Linters, see Cotton.

Linton, Roger, thermal design evaluation of
Pegasus, 2687

Linton report, strategy for livable environ-
ment, 12622

Lipids:
phospholipids, metabolism in experimental
atherosclerosis of the liver, USSR study,
1275

skin surface, use of infrared absorption
spectroscopy for representation, Yugo-
slavian study, 12667

Lipman, P. W., compositionally zoned ash-
flow sheet in southern Nevada, 1120

Lippold, Richard W., urban housing market
analysis, 11205

Lipton, Arthur H., alignment of inertial
systems on moving base, 16976

Lipton, W. J., market quality and rate of
respiration of head lettuce held in low-
oxygen atmospheres, 10180

Liquefied gases, see Gas—Gases—Liquefied
petroleum gases.

Liquefied petroleum gases, shipments, 15484

Liquid crystals:
detect voids in fiberglass laminates, 16941
practical application, USSR study, 1223

Liquid fuels:
flammability properties in volatile com-
ponents at low concentration, 17094
specific impulse increased by addition of
solid oxidizer, 9831
see also Fuel oil.

Liquid heaters and vaporizers, classifica-
tion definitions, 18122

Liquid hydrogen, see Hydrogen.

Liquid level gages, circuit automatically cali-
brates flowmeter against gage reference,
17986

Liquid metals, see Metals.

Liquid micurgy chamber and microsyringe
designs allow more efficient micromanipu-
lations, 16882

Liquid nitrogen, see Nitrogen.

Liquid oxygen, see Oxygen.

Liquid propellants, see Propellants.

Liquidity (economics):
and monetary management in 1967 (re-
marks), 16593

quest for liquidity (remarks), 17270

Liquids:
contact with solids, classification defini-
tions, 18124

corrosive, positive displacement cylinder
measures volume, 6756

cryogenic—
experiment in orbit, settling and inter-
face dynamics, 2608

reclamation system, 18007

dynamic behavior in moving containers,
with applications to space vehicle tech-
nology, 5189

dynamics of 2-phase liquid-gas weightless
medium with aid of surface effects, con-
trol, 11562

incompressible, bending circular plates
confining, 97

liquid-liquid heat transfer, evaluation for
large-scale desalination, 14200

liquid structure, effect on contact angle
hysteresis, 9987

low rate flow switch can be used for gas
or liquid, 8477

mass transfer through liquid interface,
mechanism, 8215

organic, effect of adsorbed water upon
spreading on soda-lime glass, 18110

INDEX 1967

- Liquids—Continued**
outflow from cylindrical tanks during weightlessness, experimental investigation, 2720
purification or separation, classification definitions, 13046
sloshing in elastic containers, 16906
substrate, critical surface tension for spreading, 10006
surface motion in response to lateral acceleration during weightlessness, 12966
transient solidification of warm liquid flowing over chilled flat plate, 12935
weightlessness, frequency and viscous damping, experimental investigation, 15571
- Liquors:**
alcohol & flying don't mix, 14811
alcoholic beverages, commercial importation, 971
District of Columbia alcoholic beverage control act, amend—
hearings, 949, 12294
reports, 14993-994, 16258
impairment of airmanship by alcohol, 4251
imports into D.C., limit—
hearings, 12294
report, 14993
intoxicating—
code of Federal regulations, 6295
require interstate shipments be accompanied by bill of lading, etc., amend U.S. Code, report, 16254
- Lisburne, Cape, coal resources of Cape Lisburne-Colville River region, Alaska, 15306
- Lisburne Peninsula, Chariot site, areal geology, 8162
- Liske, E., auto- and cross-correlation of EEG following unilateral caloric stimulation of labyrinth, 71
- Lisle, Alan G., jr., USAF instructors journal, 4011
- Lissothuria, see Sea cucumbers.
- Lists, see subjects of lists.
- Lita group, see Microlepidoptera.
- Litchard, Ralph J., land conveyance to, 13579, 13776, 14891
- Litchfield, Elton L., minimum ignition energy and quenching distance in gaseous mixtures, techniques and apparatus, 15475
- Litchi, fresh lychees, maintaining market quality during storage and transit, 37
- LITE Project, see Project LITE (legal information through electronics).
- Literary gazette, USSR, Mao's cultural revolution, review, 12760
- Literature, recorded, checked of archive in Library of Congress, 5089
see also Children's literature—French literature.
- Lithium:**
magnesium-lithium alloys—
coating protects against corrosion, 11477
developed for low temperature use, 17976
properties and current applications, 8441
- Lithium fluoride, molten, reaction rate with solid yttrium metal, 15474
- Lithium hydroxide, electron optical survey of iron oxide films produced in H_2O , $LiOH$, and $LiOH/EDTA$ solutions, 8594
- Lithium silicates, see Silicates.
- Lithium sulfate, heats of formation, 2577
- Lithography, chemicals, military standard, 9377
- Litigation, see Actions at law.
- Little, Elbert L., jr., natural hybrids among pond, loblolly, and pitch pines, 14137
- Little, Ralph C., drag reduction by dilute polymer solutions in turbulent flow, 14592
- Little, S., treatments needed to regenerate yellow-poplar in New Jersey and Maryland, 17804
- Little blue hook, 8971
- Little Blue River:
vicinity of Kansas City, Mo., engineer report—
departmental edition, 17732
document edition, 17569
- Little Calumet River, pollution of interstate waters, progress evaluation meeting, 14053
- Little Joe II (launch vehicle), see Spacecraft.
- Little River, S.C., to Rio Grande, Tex., and Antilles, light list, 12123
- Little Rock, Ark., area wage survey, 1361, 17896
- Little Sandy River:
engineer report—
departmental edition, 2210
document edition, 2008
- Little Sioux River, control structure, hydraulic model investigation, 7931
- Littoral:**
sands in vicinity of Point Arguella, Calif., processes, 7924
transport, correlation with wave energy along shores of New York and New Jersey, 7925, 10954
- Liu, Y. N., analysis of dynamics of supercritical shafts on many flexible supports by using transmission line analogy, 1773
- Live stock, see Livestock.
- Liver:**
glycogen in anesthetized dog, hydrazine effect, 7359
metabolism of nucleic acids, phosphoproteins and phospholipids in experimental atherosclerosis, USSR study, 1275
rats, endrin and carbon tetrachloride comparison of acute effects on, 4252
Well stain, histochemistry, aerial application, problems, 10320
- Livermore 1=2 stellarator, 13329
- Livestock:**
animal industry, publications, price list, 2800
automatic feeding equipment, 8830
census of agriculture, 5903-4, 7499-7510, 8962-65, 10388-398, 12091-92, 13404-412, 14837-839, 16036-40, 17442
claims, packers and stockyards act can help you recover losses, 1712, 15869
dealers, recordkeeping under packers and stockyards act, 44
estimates, background on revisions, 8752
export financing, 14076
exports, expansion, potentials and problems, report, 10794
farm production, etc., 18234
feeding by certain packers, prohibit, hearings, 2037
foot-and-mouth disease, menace to North American livestock, control and eradication progress, 7252
foreign agriculture circulars, 3345
foreign crops and markets (periodical), 3344
grain-livestock economy of European Economic Community, 1951-63, historical review, 2176
industry—
Argentina, 11099
Mexico, 8048
New Zealand, 11097
Uruguay, 11098
USDA's work with cattlemen for larger markets, better products and more profit (address), 7259
insecticides, guide, 10162
inventory, 5682, 7198
livestock and meat situation, 3517
livestock-meat economy, simulated inter-regional models, 12453
market news, weekly summary and statistics, 3518
markets, electrically operated gates, 10153
meat animals, farm production, etc., 10201

Livestock—Continued

packers and stockyards act as it applies to auction markets, 15870
raising on small farm, 1692
regulatory establishments, circuits, and officials, 4071

slaughter—

commercial slaughter, meat and lard production, etc., 11879
monthly report, 3519

statistics—

1965 supplement, 4143
1966 supplement, 13248
tobacco-livestock commercial farms, costs and returns, Bluegrass area and Pennyroyal area, Ky.-Tenn., 16490
western range and livestock, monthly report, 4062

see also Food for livestock.

Living conditions, *see* Cost and standards of living.

Living expenses, *see* Cost and standard of living.

Livshitz, Mordehai, binary diffusion in exponential medium, 2704

Lizardite, solution studies, 8160

Lizards:

Ecuador, check list and key, 6948
iguana, Anolis lineatopus, ecology and social organization, 15602
Llorens, Jacinta, relief, 293, 862

Lloyd, Dallas, arms control and disarmament, studies in progress, etc., 5531, 13143

Lloyd, Gordon, Canadian wheat marketing, 4816

LMRDA, *see* Labor-management reporting and disclosure act of 1959.

Lo Che Yim, *see* Loh, Che Yim.

Load (mechanics):

assumptions for buildings, Army technical manual, 108

asymmetric loads, computer program for finite-difference solutions of shells of revolution, 11497

buckling load of truncated conical shells, influence of prebuckling deformation, 5187

cellular structure as load-bearing structural elements, Hungarian study, 4956
complex fatigue loading, equipment and techniques, 5748

deformation of shallow spherical sandwich shells under local loading, 6895

drag measurements in stream with sinusoidally fluctuating velocity in longitudinal direction, 5749

dynamic characteristics of soils, measurement with penetrometers, 14396

effect of edge loadings on vibration of rectangular plates with various boundary conditions, errata, 12919

external loading, buckling of pressurized toroidal ring, 15570

friction brake cushions acceleration and vibration loads, 6771

helicopter hingeless rotor system structural loads, exploratory flight investigation and analysis, 1487

impulsive loads, aircraft passenger-seat system response, 17388

influence of reinforcing details on yield line pattern and ultimate load-carrying capacity of reinforced concrete slabs, 17736

initial load and exposure to moderately elevated temperature effect on room-temperature fatigue life of Ti-8Al-1Mo-IV titanium-alloy sheet, 14464

laboratory stress-deformation characteristics of soils under static loading, 2596

landing loads on vehicle with tricycle landing gear, theoretical dynamic analysis, 14472

lateral ring metal elastic wheel absorbs shock loading, 6821

Load (mechanics)—Continued

launch vehicle flight loads, effect of canards in reducing, 14496

linear load distributions, cone-cylinder-frustum-cylinder configurations, 9804

linearly varying axial load, upper and lower bounds for eigenvalues of vibrating beams, 2609

load relief, analysis and design of space vehicle flight control systems, 15502

nonuniform radial, applied to boundary of circular hole in infinite plate, 17914

performance changes of axial-flow compressors under high loading, 9916

plane-stress analysis of edge stiffened rectangular plate, subjected to boundary loads, etc., 16895

rocket engine asymmetric loads during tests at sea level, elimination, 6831

rotor air loads, etc., caused by transient inputs of shaft torque as related to stoppable rotor operations, 13308

self-actuating grapple automatically engages and releases loads from over-head cranes, 5150

single-source mechanical loading system produces biaxial stresses in cylinders, 17990

turbine blade loading, advanced concepts to increase, experimental investigation, 12850

uniform and variable loads, equations provide tabular information on effects on thin, flat, circular plates, 8399

web belt load measuring instrument has excellent stability, 14436

Loader, Maurice, and wife, relief, 7625

Loaders (mechanical):

front-end loaders, fatal accidents occurring during operation, analysis, 16856

microscope slide loader for thin-layer chromatography, 13272

tractor loader, how to inspect chart, 9684

loading, *see* Load (mechanics)—Unloading and lading.

Loan associations, *see* Federal savings and loan associations.

Loan companies, *see* Finance companies.

Loans:

auto loans characteristics at major sales finance companies, 7992

borrowing authority for District of Columbia—

hearing, 13857

reports, 13631, 13824

business loans, revision in quarterly survey of interest rates, 11059

college housing, savings through more frequent payments, GAO report, 17814

commercial and industrial—

by industry, revised series, 6302

outstanding by industry, 3108

constitutionality under certain acts, judicial review, report, 10729

defense production, guarantees, regulations, 1066

economic injury disaster loans for displaced small businesses, 14643

Economic Development Administration—

business loans, who can borrow, how to apply, 6160, 13930

grants and loans for public works and development facilities, 7869, 13935

educational, for dependents of Army personnel, 17383

educational scholarships, loans, and financial aids, 1

Farmers Home Administration—

community centers, recreational enterprises, industrial development, etc., hearings, 15145

increasing farm and ranch income through grazing associations, 1717

insured, increase annual ceiling, hearings, 15145

insured, information for lenders, 4132

INDEX 1967

Loans—Continued

Farmers Home Administration—Con.
 opportunity loans, 8839
 rental & co-op housing in rural areas, 10194
 resource conservation and development, 10193
 rural housing, 10188
 Federal credit unions to directors, etc., amend act—
 hearing, 10643
 law, 12179
 reports, 9283, 10603
 Federal Housing Administration—
 insured loans for major home improvement, 4904
 three ways to finance home improvements, 11202
 Federal loans to D.C., authorization, increase, hearings, 10646
 Federal reserve member banks to their executive officers—
 limitation, amend—
 hearings, 7800, 10643
 law, 12179
 reports, 9283, 10603
 regulations, amendment, 12534
 financial intermediaries' role in U.S. capital markets, 6303
 Government, efforts to have borrowers refinance loans when private or cooperative credit becomes available, Farmers Home Administration, GAO review, 1103
 Greek refugee repatriation, 1929, settlement acceptance, law, 470
 higher education act of 1965—
 administration of programs, 1966, notes and working papers, 12422
 student loan program, 6% payment tables and amortization schedules, 7910
 home owners' loan act of 1933, amend, hearings, 15019
 housing—
 guaranteed by VA in Illinois, potential savings by revising procedures relating to default, GAO report, 11151
 insurable, digest, 6433
 senior citizens, through nonprofit corporations, 2383
 land bank, stockholder personal liability on, report, 15130
 national defense student, college work-study program, and list of participating institutions, 1965-66, 1001
 naval vessels to friendly foreign countries, authorize—
 extension, reports, 2025, 2101
 report, 10555
 nursing student program, information, 11747
 opportunity loan program in rural America, story in pictures and words, 5674
 participation, with SBA, guide for private lending institutions, handbook, 5490
 property improvement loans, consumer bulletin, 8197
 repaid price-support loans and storage facility and equipment loans, savings if Commodity Credit Corporation recovers interest costs, GAO report, 16678
 Rural Electrification Administration—
 program, statistical report, 18199
 RBA borrows, electrification systems, materials acceptable for use, list, 8672
 savings and home financing, source book, 1966 data, 14023
 schools, nonprofit private elementary and secondary, for equipment and materials, national defense education act, 1007
 senior citizens housing loan program, information for applicants, 16712
 Small Business Administration—
 economic opportunity loan programs, 13114

Loans—Continued

Small Business Administration—Con.
 financial assistance programs, review, 16439
 502 program for community style self-improvement, 11789
 lending objectives, etc., 2855, 13117
 local development company loans, 8678
 economic growth at community level, 1599
 small towns and rural groups, Oklahoma, financial assistance for water systems and waste disposal systems, questions and answers, 7945
 soil conservation and allotment act, amend with respect to assignment of payments, law, 455
 student loan insurance act of 1965, student loan program, 6% payment tables and amortization schedules, 7910
 student loan program, health professions, 5435, 17149
 students, guaranteed, by States, list, 2177
 title 1, property improvement loans, consumer bulletin, 6425
 truth in lending, revolving credit provisions, hearing, 12402
 veterans—
 home buying guide, 17286
 housing, VA guaranty and direct loan program, hearings, 12419
 World War I, loans made upon security of adjusted-service certificates, cancel certain unpaid interest—
 law, 449
 report, 918
 veterinary medicine students, law, 423
 vocational student loan insurance act of 1965—
 amend, hearings, 15026
 eligible institutions, lists, 2181, 6181
 water development and soil conservation, questions and answers, 4131
 watershed loans available from Farmers Home Administration, questions and answers, 4129
 see also Banks and banking—Federal savings and loan associations—Mortgages—
 Revolving funds—Savings and loan associations.
 Loban, Walter, language ability, grades 7-9, 2186
 Loblolly pine, see Pine.
 Local board memoranda, 3521
 Local development company loans, 8678
 Local government, see Government.
 Local public agency letters, 3523
 Local transit:
 modal split, documentation, of 9 methods for estimating transit usage, 7100
 National Capital region program, modifying, report, 16294
 operating employees, union wages and hours, 14300
 Location identifiers, airport, etc., handbook, 3524, 11970
 Lock-disconnect mechanism gives positive release to joined bodies, 11460
 Locker plants, see Cold storage.
 Lockette, Emory W., economic data for equal employment opportunity program, Yuma, Ariz., 11771
 Lockhart, L. B., jr., filter pack technique for classifying radioactive aerosols by particle size, 10017
 Lockhart, R. W., feasibility study of boiling water reactor nuclear steam supply systems, 17391
 Lockheed-California Company, wage chronology, 9742
 Locks (hydraulic engineering):
 Arkansas River project, low-lift locks, filling and emptying systems, hydraulic model investigation, 4743

- Locks** (hydraulic engineering)—Continued
McAlpine Locks and Dam, Ohio River, navigation conditions, hydraulic model investigation, 6210
Welland Canal, fees, agreement with Canada, 11872
see also names of locks.
- Locks and keys**, Federal item identification guide, keys, 17696
- Lockwood, Vernard E.**, effects of Reynolds number and flow incidence on force characteristics of family of flat-front cylinders, 9903
- Locomotion**:
jet shoes, extravehicular space locomotion device, 8483
self-locomotive performance of lunar explorers, 11501
- Locomotive Inspection Section**, annual report, 11239
- Locomotives**:
diesel-electric, operation and maintenance, Army technical manual, 1772
Lugansk locomotive-building plant, book-keeping organization, USSR study, 1293
procurement for Thailand under military assistance program, Defense Department, GAO report, 6380
- Locust borers**, description, control, etc., 9529
- Locust trees**, locust borer injury, control, etc., 9529
- Locusts**, *see* Ciendas.
- Lodgepole pine**, *see* Pine.
- Loess**:
Chinn's loess soil, collected works, 5000
forested loess soils after repeated prescribed burns, properties, 8091
- Loewy, Robert C.**, matrix-Holzer analyses for fully-coupled vibrations of clustered launch-vehicle configurations, 5158
- Log cabins**, protecting from injurious insects in eastern United States, 5627
- Logan, Malcolm H.**, effect of earthquake of Mar. 27, 1964, on Eklutna hydroelectric project, Anchorage, Alaska, 6402
- Logan, William B.**, training retail salespeople, 5495
- Logan County, W. Va.**, coal, carbonizing properties, 5130
- Logarithmic amplifiers**, *see* Amplifiers.
- Logarithmic antennas**, *see* Antennas.
- Loger, J. A.**, analysis and calibration of analog to digital encoders, 9891
- Logging**, *see* Lumbering.
- Logic**, *see* Reasoning.
- Logic (symbolic and mathematical)**:
improved micropower logic circuits, 14461
logic circuitry used to automatically test shielded cable, 6819
logic system aids in evaluation of project readiness, 1456
one-count circuit prevents machine mode interaction, 6697
time-shared, employed by nixie tube display unit, 5149
- Logical decision**, Army ROTC, 4210
- Logistics**, *see* Military art and science—Naval art and science.
- Logs**:
electronic computer program for calculating saw log lumber recovery and value, 14080
veneer log production shows increase in 1965, Lake States, 14096
- Logtown, Miss.**, land lessces, relief, 251, 2081
- Loh, Che Yim**, relief, 341, 541
- Lohman, Joseph D.**, police and community, dynamics of their relationship in changing society, 13061
- Lomax, Harvard**:
numerical integration methods for computing flow of gas in chemical non-equilibrium, 15368
operational unification of finite difference methods for numerical integration of ordinary differential equations, 11559
- Lombardi, John**, high reliability screening of semiconductor and integrated circuit devices, 9800
- Lomont, T.F.**, batteries, classification definitions, 18125
- Lompoc, Calif.**, hydrologic inventory, 1957-62, of area, 1117
- London, England**, U.S. trade center, 12654
- Long Bench, Calif.**:
area wage survey, 12773
naval station, adjust legislative jurisdiction of U.S. over lands within—
hearing, 16308
reports, 16268, 17625
- Long Island R.R.**, emergency board report, 13966
- Longevity, Drosophila**, 9923, 9925
- Longitudinal study** of acuity and phoria among submariners, 12791
- Longleaf pine**, *see* Pine.
- Longshoremen**:
longshoremen's and harbor workers' compensation act, as extended, 1019
regulations governing administration, 4726
suggested safe practices, 12767
- Longwall mining**, *see* Coal mines and mining.
- A look at Kentucky's lumber industry**, 11136
- Looking ahead with SIC**, 181
- Loomis, R. A.**, economic survey of northern Lake States region, 7580
- Looms**:
automating wool weaving looms, 1186
broad-woven goods, number in place Dec. 31, 1965, summary, current industrial reports, 5855
- Loopers**, western hemlock, field testing of *Bacillus thuringiensis* for control of, 14140
- Loper, David E.**, analysis of confined magnetohydrodynamic vortex flows, 2606
- Lopez Garcia, Pedro**, relief, 13749
- Lopez, Julio J. Castellanos**, *see* Castellanos
- Lopez, Julio J.**:
Lopez, Oscar, relief, 9242
Loran, loan of long range aid to navigation (Loran-A) equipment to Canada, agreement, 2907
- Lord, George P.**, breathing under high ambient pressure, 12792
- Lore, George R.**, relief, 261, 4578
- Loriz, Andrew**, relief, 9239
- Los Alamitos, Calif.**, undersea warfare laboratory, proposal, subcommittee report and hearings, 13698
- Los Angeles, Calif.**:
area wage survey, 12773
south and east areas, census, population characteristics, errata, 1875
war on poverty, examination, hearing, 17665
- Los Padres National Forest**, San Rafael Wilderness area established as part of, message from the President, 5995
- Losche, Craig K.**, soil survey of Tucker County and part of northern Randolph County, W. Va., 11812
- Lotan, James E.**, early performance of pinus contorta X bursiana hybrids, 9533
- Lotteries**, prohibit certain financial institutions from participating, hearings, 12292, 16397
- Lottig, Roy A.**, experimental heat-transfer investigation of nonwetting, condensing mercury flow in horizontal, sodium-potassium-cooled tubes, 11541
- Loud speakers**, ultrasonic, for studies of acoustic sensitivity of moths, 4083
- Louisiana**:
alluvial soil in sugarcane area, deep-tillage investigations, 1672

INDEX 1967

Louisiana—Continued

- area measurement report, 13357
- census of agriculture, 1964, State and county statistics, 7509
- census of manufactures, 1963, area statistics, 1840
- census of mineral industries, 1963, area statistics, 4288
- climatological data, 3096
- county business patterns, 12049
- electric rate book, 2250
- Euparixia genus, with description of new species, etc., 15606
- forest tax trends, 8099
- landings, fish and shellfish, 3530
- 1965 annual summary, 1075
- mineral industry, minerals yearbook chapter, 5114
- pine plantations, fertilization uneconomic for forage improvement, 14117
- postal map, 15657
- precipitation data, hourly, 3401
- Project Seesaw, beginning for rural disadvantaged, 8284
- rice, rough, costs of drying and storing, 15864
- salt domes, survey, 2541
- Louisville, Ky., area wage survey, 11320
- Louttit, Richard T., bibliography of translations in neural sciences, 17137
- Love, Carl H., abscissas and weights for Gaussian quadrature, 5284
- Love, Esther M., seafaring wage rates, Atlantic, Gulf and Pacific districts, 14313
- Love, James E., experience of X-15 as reusable space vehicle, 2711
- Love, Travis D., report, Technological Laboratory, Bureau of Commercial Fisheries, Pascagoula, Miss., 4801, 16620
- Love County, Okla., soil survey report, 8699
- Lovelady, Hubert G.:
 - microscope slide loader for thin-layer chromatography, 13272
 - preparation of feces for bomb calorimetry, 1742
- Loving, Donald L., sting-support interference on longitudinal aerodynamic characteristics of cargo-type airplane models, etc., 12938
- Low, George M., lecture, Feb. 17, 1966, 5498
- Low, Philip F., thermodynamic relationships for soils at or below freezing point, etc., 8878
- Low, Seth, foster care of children, trends, etc., 10401
- Lowe, Wyman C., contested election, dismissal, etc., report, 12270
- Lower Devonian period, *see* Devonian period.
- Lower Klamath National Wildlife Refuge, birds, list, 15262
- Lower Monumental Dam spillway and stilling basin, hydraulic model investigation, 10949
- Lower Plateau region, Indians, general information, 6437
- Lowery, David P., effect of spiral grain on pole twist and bending strength, 14126
- Lowman, Paul D., Jr., terrain photography on Gemini IV mission, 11528
- Lowry, J. H., electromagnetic guidance study, 16896
- Lowry, Marlin E., geology and ground-water resources of Laramie County, Wyo., 8179
- Loxahatchee National Wildlife Refuge:
 - birds, list, 11080
 - general information, 8032
- Loxostege, *see* Moths.
- Loxotoma, *see* Microlepidoptera.
- LSD, *see* Lysergic acid diethylamide.
- Lubbock, Tex., area wage survey, 14295

Lubricants:

- bearing torque and fatigue life studies, 11509
- composites of porous metal and solid lubricants increase bearing life, 6742

Lubricants—Continued

- cooling-lubricating fluids for metal-working, Hungarian research results in development, 14232
- ester, ether, and hydrocarbon base, temperature limitations in 25-mm bore ball bearings, 15576
- Federal item identification guides for supply cataloging, supplements, 3290
- fused-fluoride coatings, additions, for reduction of low-temperature friction, 5265
- rigging typical supply load for high velocity airdrop, 8889
- solid, use for helicopter transmissions, investigation, 8897
- status of research on lubricants, friction and wear, 17082
- see also* names of lubricants.
- Lubrication, bibliography, 2621
- Lucas, A. C., design of shielded source for irradiation of natural animal populations, 1782
- Lucas, Donald L., high frequency ionospheric telecommunications systems, 2223
- Lucas, James G., gaseous-film cooling of rocket motor with injection near throat, 6882
- Luce, Charles F.:
 - nomination, hearing, 4644
 - remarks—
 - Mar. 9, 1967, 8208
 - Apr. 14, 1967, 8210
- Ludwig, Howard C., some NASA contributions to use of plasma jet technology in chemical processing, 12867
- Ludwig, John H., address, Oct. 1966, 2836
- Ludwig, Lawrence P., improving performance of face contact seal in liquid sodium by incorporation of spiral-groove geometry, 11505
- Lueders, H. G., experimental investigation of advanced concepts to increase turbine blade loading, 12850
- Lugansk, *see* Voroshilavgrad, Ukrainian SSR.
- Luggage, *see* Baggage.
- Lugones, Cesar A., relief, 12338, 16205
- Luidens, Roger W.:
 - Jupiter high-thrust round-trip trajectories, 5233
 - round-trip trajectories to moons of Jupiter, 18017
- Luke, Md., motor carrier accident, 16875
- Lull, Howard W., increasing water yield in Northeast by management of forested watersheds, 14136
- Lumb, Dale R., efficient coding system for deep space probes with specific application to pioneer missions, 14493

Lumber:

- dimension, southern pine, relation of properties to strength, grading, 2327
- exports, 8925, 14814
- Federal item identification guides for supply cataloging, supplements, 3288
- form lumber, deleterious effects on concrete surfaces, 13988
- green oak, presurfacing to reduce surface checking, 2301
- hardwood, production, Appalachian region of Kentucky and Ohio, costs and returns, 4850
- imports, 147, 14815
- industry, Kentucky, a look at, 11136
- northern, Minnesota production declines, 14100
- production and mill stocks, current industrial reports, 12074
- softwood, kiln-dried, dimensional changes after surfacing and during storage, 2300
- straight studs from southern pine veneer cores, 8120
- studs, 2 x 4, tree characteristics influence on yield from lodgepole pine, 16654
- see also* Logs.

- Lumbering:**
clearcut harvesting costs and production rates for young-growth mixed-conifer stands, 4841
clearcut logging in young-growth timber stands, slash and litter weight, 8087
designing efficient logging systems for northern hardwoods, using equipment production capabilities and costs, 2330
loggers, forest products utilization and marketing assistance, 1714
logging and sawmill operation, Army technical manual, 106
logging effect on runoff and erosion, 9537
single-span running skylines, 14102
skyline tension and deflection handbook, 12584
soil surface conditions following skyline logging, 14104
- Luminescence:**
dosimetry, international conference on, proceedings, 10297
emission spectra of various thermoluminescent materials, 1552
meteor luminous efficiency, laboratory measurement, 11411
thermoluminescent dosimetry—
observations (paper), 17392
systems compared with film badges, 8599
ultra-weak, accompanying biochemical reactions, 14502
- Lunar:**
NOTE.—For other subjects beginning Lunar, see Moon.
Lunar charts and mosaic series, U.S.A.F. 4167-68, 7319-33, 8865, 10224-226, 13263, 15886-887
Lunar landings:
Langley research facility, operational features, 6875
motion of vehicle during landing impact, procedure for computing, 18043
research vehicle—
electronic flight control systems, operational experience, 1496
manned, on-off rate command attitude control system, flight-test evaluation, 9888
vehicles, touchdown stability, dynamic model investigation, 18042
Lunar missions, see Moon.
Lunar Orbiter, see Spacecraft.
Lunar orbits, see Orbits.
Lunar roving vehicles, auxiliary power systems, 16891
Lunar satellites, see Satellites.
Lunar science:
lunar science and exploration, 1967 summer study, 17952
lunar surface studies, bibliography, 11432
Lunar topography, see Topography.
Lunar trajectories, see Trajectories.
Lunch rooms, see Restaurants, lunch rooms, etc.
Lunches, see School lunches.
Lundquist, Dorothy M., bibliography of tree nut production and marketing research, 13233
Lungs:
cancer, health information, 1575
vascular and lymphatic absorption of radioactive albumin from lungs, 13269
Luoma, Arvo A., static longitudinal aerodynamic characteristics of hammerhead-shaped Little Joe II-lunar model, 18013
Lupherella, see Pelecypods.
Lupus erythematosus, systemic erythematosus, general information, 13097
Luquillo Mountains, weather, 1958-62 records, 14130
Luria, Saul M., color-name as function of stimulus intensity and duration, 14320
Lush, Gerson H., Department of State news letter, 3199
Luskin, Sheldon H., technology and manpower in telephone industry, 5036
Lustig, Lawrence K., sediment transport in Cache Creek drainage basin in coastal ranges west of Sacramento, Calif., 11181
Lutheran Church of the Covenant, ship model, duty-free entry, 7648, 14886, 16358
Lutton, Richard J., Project-Pre-Schooner, geologic and engineering properties investigations, 17394
Luxembourg:
mineral industry, minerals yearbook chapter, 6656
mutual defense assistance, agreement, 11871
Lyapunov method, see Liapunov method.
Lycaenidae, see Butterflies.
Lychees, see Litchi.
Lyerly, Ray L., nuclear power plants, 7443
Lyerly, Samuel B., handbook of psychiatric rating scales, 1573
Lyles, Charles H., fishery statistics of United States, 14069
Lymphadenopathy, cystic, of rats due to Rous sarcoma virus, pathogenesis, USSR study, 6554
Lymphatics, absorption of radioactive albumin from lungs, 13269
Lynch, Theodore N., metabolic effects of prolonged bed rest, their modification by simulated altitude, 14777
Lynch, Thomas J., data compression with error-control coding for space telemetry, 11553
Lyon, Richard H., random noise and vibration in space vehicles, 17705
Lyon, Robert L., chemosterilants to control bark beetles, 14168
Lyons, A. J., Jr., Streptomyces griseus (Kraus) Waksman and Henrici, taxonomic study of some strains, 54
Lyophilization:
freeze-dry preservation of biological specimens, 6950
freeze-drying costs, some questions and answers (speech), 12453
Lysergic acid diethylamide:
Federal drug research and regulatory programs, LSD, organization and coordination, hearings, 2120
LSD, the false illusion, 15273, 17791
LSD use on college campuses, hearings, 2128
Lysianassidae, see Amphipods.
Lysimeters, monolith, use in evaluation of agricultural hydrology, 5687
Lysons, Hilton H.:
compatibility of balloon fabrics with ammonia, 4836
single-span running skylines, 14102
skyline tension and deflection handbook, 12584
Lysy, L., methods for determination of trace organic materials in water, 6451
Lytle Creek, San Seavine area, ground water studies proposed, progress report, 1125
Lytton, Lee, E., evaluation of vertical-scale, fixed index instrument display panel for X-15 airplane, 9918

M

- M series, 17116
MA SP series, 6626-27, 9751, 12787, 17907-908
Maag, William L., forced-convection heat-transfer correlations for gases flowing through wire matrices at surface temperatures to 5300° R., 9913
Maahs, Howard G., chemical impurity data on selected artificial graphites, etc., 18040
Mabey, D. R., geologic interpretation of gravity and aeromagnetic maps of Tintle Valley and adjacent areas, Tooele and Juab Counties, Utah, 8164
MAC, see Military Airlift Command.

- Macaca irus*, *see* Monkeys.
Macaca mulatta, *see* Monkeys.
 MacAdams, Francis H., nomination, hearing, 10823
 MacAllister, John J., organizing food trailing program, 17722
 MacAloney, Harvey J.:
 hemlock borer, 16647
 impact of insects in northern hardwoods type, 2304
 white-pine weevil, 17794
 MacAlpine Locks and Dam, Ohio River, navigation conditions, hydraulic model investigation, 6210
 MacArthur, Douglas:
 Japanese operations in southwest Pacific area, 11992
 reports, 11992
 MacArthur, Jean B.:
 management aids for small manufacturers, 2854
 small marketers aids, 2858
 MacArthur, J. Wayne, economic potentials for baling wood shavings and sacking sawdust, 10920
 MacArthur (coastal survey ship):
 ocean environmental research and survey vessel, description, etc., 10970
 McBarron, H. Charles, uniforms of United States Navy, 1776-1898, posters, 7008
 McBride, Bonnie J., Fortran IV program for calculation of thermodynamic data, 15566
 McCafferty, James A.:
 Federal offenders in U.S. district courts, 8799
 persons under supervision of Federal probation system, 15821
 McCahill, William P.:
 remarks—
 May 22, 1967, 11702
 June 15, 1967, 13068
 Sept. 26, 1967, 18143
 Oct. 10, 1967, 18142
 Oct. 14, 1967, 18140
 McCalmont, J. R.:
 farm silos, 5656
 rope on farm, 4103
 McCarren, E. F., chemical quality of surface water in Allegheny River basin, 8180
 McCarron, Helen C., dollars for medical research, 1947-66, sources and performers, 10062
 McCarthy, Jack:
 labor racketeering activities—
 hearings, 2119
 report, 10731
 McCartney, James T., optical properties of coals and graphite, 16849
 McCarty, John L., dynamic response to impact loadings of acceleration sensors having various mounting characteristics, 11521
 McClure, H. David, Yoruba intermediate texts, 8751
 McColloch, Lacy P., Botrytis rot of bell peppers, 34
 McCollem, J. C., NASA's mammoth transportation problems, 9932
 McConnell, John P., testimony, hearing, 16394
 McCorkle, J. S., grass, ranchers crop, 5636
 McCoy, Caldwell, Jr., system for measuring 1st and 2d order probability distributions of signals and noise, 17085
 McCracken, David S.:
 foreign trade regulations of—
 Colombia, 16100
 Ecuador, 16101
 McCulloh, Thane H., mass properties of sedimentary rocks and gravimetric effects of petroleum and natural gas reservoirs, 12608
 McDaniel, David L., stress-rupture and creep properties of tungsten-fiber-reinforced copper composites, 17002
 McDonald, Francis R., infrared vibrations of benzene rings in condensed thiophenes, 8377
 MacDonald, Gilmour C., relief, 13625
 McDonald, Keith L., earth's magnetic field, 1835-1965, analysis, 16533
 McDonald, Philip M.:
 brushfield reclamation, reforestation with ponderosa pine, 4844
 California black oak, general bibliography, 14105
 seed fall and regeneration from group selection cut, 4840
 McDonald, Robert T., respiration-rate transducers for aircraft environments, 18044
 MacDonald Wright, Stanton, *see* Wright, Stanton MacDonald
 McDonnell, J. D., critical tracking task for man-machine research related to operator's delay time, etc., 5174
 McDougal, Robert B., mineral industry of Oklahoma, 6664
 McElman, John A., eccentrically stiffened shallow, shells of double curvature, 6873
 McElroy, Dennis L., nomination, hearing, 10863
 McElroy, Robert C., hired farm working force of 1966, statistical report, 16487
 McFadden, Ernest B.:
 notation characteristics of aircraft passenger seat cushions, 137
 performance characteristics of oxygen mask designs for general aviation, 17412
 physiological protective efficiency of—
 civil aviation oxygen equipment, 15979
 new prototype disposable passenger oxygen mask, 4248
 protective passenger smoke hood, 14812
 Sierra, hanging, quick-don crew, pressure-breathing oxygen mask, 4249
 McFadden, Max W., soldier fly larvae in America north of Mexico, 6957
 McGavin, Joseph J., relief, 291, 787
 McGee, Charles E.:
 diameter distributions in natural yellow-poplar stands, 9544
 regeneration in southern Appalachian oak stands, 12578
 McGhee, Robert J., jet pluming effects on static stability of ballistic bodies at Mach number of 6.00, 2691
 McGill, Ralph E., South and the southerner, 5045
 McGinnis, Edgar L., mineral industry of Ireland, 12802
 McGrath, John J., relief, 13621, 17497
 McGrath, Thomas C., Jr., nomination, hearing, 6092
 McGrew, Jay L., cryogenic liquid experiments in orbit, 5164
 McGuire, Marie C., address, Oct. 20, 1967, 17843
 Mach numbers:
 effect on sonic booms, 18041
 pseudo, concept in 2-phase flows, 2712
 Machado, Miguel A. Rojas, *see* Rojas-Machado, Miguel A.
 Machado Espinosa, Mario V., relief, 559
 Machine accountants, *see* Accountants.
 Machine guns, national firearms act, code of Federal regulations, 11225
 Machine records codes:
 coding, Atlanta, case study in household sample surveys, 4360
 numerical coding, application of automatic data processing to study of seabirds, 14536
 Machine shops:
 Army aviation maintenance engineering manual, shop practices, 7400
 machine repairs formulas, engineered performance standards, 17067
 Machine tools:
 financing, 15730
 industry, problems, etc., hearings, 2061
 manufacturers and distributors, problems, report, 4514

Machine translations, *see* Translating machines.

Machinery:

- assembly machines, industrial plant equipment handbook, 7850
- chemical, USSR industrial development, translations, 4016
- construction, material and strength properties of components, results of ultrasonic testing in practice, 13339
- East European industries, translations, 3956
- horizontal machine for testing structural wood elements in tension, 8062
- inspection for ships of Navy, military standard, 2154
- machine for application of dust to cut seed potatoes, 7241
- machine repairs formulas, engineered performance standards, 17067
- machine to predict box-office success of motion picture, USSR study, 11288
- machines for centralized control, USSR book, 4937
- manufacturing, chemical and pharmaceutical products, industrial plant equipment handbook, 7851
- one-count memory circuit prevents machine mode interaction, 6697
- power, USSR industrial development, translations, 4018
- repairman 1 & C. supplement, 11658
- repairman 3 & 2. supplement, 11658
- rubber and plastics working machinery, industrial plant equipment handbook, 7849
- safeguarding, occupational safety afd. 9705
- Shanghai Municipal Bureau of Machine and Electrical Industries, product standards, Communist China, 12759
- size reduction machinery, industrial plant equipment handbook, 4675
- special industry, Federal item identification guides for supply cataloging, supplements, 3292
- vibration, reduced by post-stressed concrete foundation, 15489
- see also* names or types of machinery.

Machines, *see* Machinery.

Machining:

- electrical discharge equipment, use of travelling wire electrode to increase productivity, 15490
- internal, accomplished at constant radii, 5214
- selected, sand metal fabricating technology, compilation, 11429

Machinists, *see* Aviation machinists.

McIntire, Wayne, L., spur gear design technology, 5747

McIntire-Stennis act, *see* Forests and forestry.

McIntyre, G. T., mineral industry of Kansas, 6653

MacIver, Bruce N., formation and initial stability of slopes on cohesionless materials, 17398

Melver, Robert G., treatment of altitude dysbarism with oxygen under high pressure, 7367

Mackay, James A., contested election, report, 12271

McKean County, Pa., Sartwell oilfield, pre-diluted oil recovery by waterflood and gas drive, 11373

McKee, Edwin D., paleotectonic investigations of Permian system in United States, 16691

McKee, W. M., safety review, 3844

McKelvey, V. E., phosphate deposits, 16687

McKenna, Muriel, spinal cord injury, selected bibliography, 5585

MacKenthun, Kenneth M., algal growth, aqueous factors other than nitrogen and phosphorus, selected biological references, 6338

McKenzie, Jess M., physiological responses of pilots to severe weather flying, 5804

Mackenzie, Vernon G., address, Jan. 19, 1967, 8636

McKinney, John R., relief, 772

McKinney, Linwood W., summary of NASA data relative to external-store separation characteristics, 2686

McKisson, R. L., solubility studies of ultra pure transition elements in ultra pure alkali metals, 1424

Mackliet, Cleon A., low-temperature specific heat of palladium containing interstitial hydrogen, 1548

McKoy-Helgerson Co., relief, 802

McLamore, V. R., seismic velocity determination and distance measurements in salt dome, 1808

McLaughlin, Milton D., maneuver speed increases of SST configuration in relation to speed margins, 16972

McLemore, B. F., loblolly seed dormancy influenced by cone and seed handling procedures and parent tree, 8092

McLoughlin House National Historic Site, general information, 1534

McLonski, R. M., diffusion of impurities into silicon from gaseous sources, 1421

McMahon, Michael C., non-rotating vorticity meter, 16910

McMinn, James W., comparative fire resistance of 2 seed sources of south Florida slash pine, 9540

McMillan, Ray F., relief, 16186

McMullin, Leslie D.:

- fishery associations in United States, list, 14057
- fishery cooperatives in United States, list, 14058

McNab, W. Henry, prescribed burning improves Piedmont loblolly pine seedbeds, 12582

McNamara, Patrick V., memorial services, 5968

McNamara, Patrick V., Federal Office Building, *see* Patrick V. McNamara Federal Office Building.

McNamara, Robert S.:

- statement, defense program, 1968-72 and 1968 budget, 4527
- testimony, hearing, 16394

McNamara-O'Hara service contract act, *see* Government contracts.

McNary Dam, fish passage report, 13974

McNary National Wildlife Refuge, birds, list, 11081

McNaughton, John T., nomination, hearing, 15148

MacNeal, Richard H.:

- flutter of flexible, towed tension shells, 9818
- flutter of towed rigid decelerators, 9814
- meteoroid damage to filamentary structures, 16899

McNee, Richard C., analysis of repeated measurements on experimental units in 2-way classification, 7348

MacNell, P. Stearns, cenozoic pectinids of Alaska, Iceland and other northern regions, 11180

McNeill, Robert L., address, Nov. 8, 1966, 226

McNeill, Walter E., simulator and flight study of yaw coupling in turning maneuvers of large transport aircraft, 11494

McNitt, Harold A.:

- basic data on economy of Finland, 1946
- foreign trade regulations of Finland, 17481
- selling in Sweden, 4145

Macpherson, Thomas C., Jr., relief, 313, 789

McQuade, Lawrence C.:

- addresses, etc.—
- June 23, 1966, 224
- Oct. 17, 1966, 237
- Nov. 9, 1966, 228
- Dec. 1, 1966, 1965
- Dec. 28, 1966, 4425

- McQuade, Lawrence—Continued
addresses, etc.—continued
Jan. 21, 1967, 4427
Mar. 16, 1967, 7571
Apr. 1, 1967, 9025
Apr. 20, 1967, 9012
May 16, 1967, 10452
July 13, 1967, 12127
July 31, 1967, 13468
Oct. 20, 1967, 17473
Nov. 1, 1967, 17483
nomination, hearing, 13855
- McQuilkin, William E., tree planting in scrub oak areas, 8112
- McRae, Ernest D., Jr., West German research vessel, Walther Herwig, 17772
- Macro-economic production functions as applied to economy of USSR, 2469
- Macroeconomic productive function as model of economic growth, USSR study, 9630
- Macromolecules, *see* Molecules.
- Macrophreata, monograph of existing crinoids, 14528
- Macy, John W., Jr.:
address, July 25, 1966, 1932
Federal employment of the mentally retarded, 1560
- Madagascar:
cyclopoid copepods associated with—
alcyonarian coral *Tubipora musica* (Linnaeus), 6939
corals *Psammocora contigua* (Esper), 6965
labor conditions, 2511
mineral industry of Malagasy Republic, minerals yearbook chapter, 6657
- Madagascar and Africa, Agency for Safety of Air Navigation in, *see* Safety of Air Navigation in Africa and Madagascar Agency.
- Madariaga, Adela A. Rubio, *see* Rubio Madariaga, Adela A.
- Maddagiri, Heather G., relief, 349
- Maddagiri, Helena G., relief, 349
- Madden, Howard L., comparison of airman qualifying examination with differential aptitude tests, errata, 4171
- Madden, J. Patrick, economies of size in farming, 6172
- Madden, Richard, ballistic limit of double-walled meteoroid bumper systems, 9893
- Madera, Calif., data for wells in area, San Joaquin Valley, 12605
- Madison County, Ind., soil survey report, 8706
- Madow, William G., interview data on chronic conditions compared with information derived from medical records, 11762
- Maeglin, R. R., predicting specific gravity of plantation-grown red pine, 8061
- Maestlin, AIC 57 D, lunar chart, 7324
- Magazines, *see* Periodicals.
- Magoe, Chris, new era, 3620
- Magellanic Clouds:
large, historical survey, identification, etc., 8681
small, variable stars, 2859
- Magie, primitive, in Judaism and Islam, USSR views, 2452
- Magistrates, *see* Judges—United States magistrates.
- Magnesium:
alloys—
determination of silver and indium in, 9985
protective coatings, coordination chemistry of magnesium ion, 10013
carbothermic production methods, economic and technical evaluation, 11376
cerium alloys, intermediate phases between magnesium and Mg-Ce, 1414
concentration related to parotid fluid flow rate, 10239
- Magnesium—Continued
current concepts of its role in human body and disturbances of its metabolism, USSR study, 2446
identification marking, Federal standard, 8008
lithium alloys, properties and current applications, 8441
magnesium-lithium alloys—
coating protects against corrosion, 11477
developed for low temperature use, 17976
mill products, current industrial reports, 3169
natural phases of system $MgO-SiO_2-H_2O$ and systems containing congeners of magnesium (series), 8160
primary, quarterly report, 3769
products, preparation for shipment and storage, military standards, 16466
use of steel and tantalum apparatus for molten Cd-Mg-Zn alloys, 8397
Magnesium oxide, natural phases of system $MgO-SiO_2-H_2O$ and systems containing congeners of magnesium (series), 8160
Magnetic domain, *see* Domain structure.
Magnetic fields:
axisymmetric diverging, 3-dimensional plasma acceleration, etc., 5256
biomagnetism, considerations relevant to manned space flight, 16911
earth—
components calculated, NELIAC-N computer program, 17083
1835–1965, analysis, 16533
influence on—
backscattered signal, computations, USSR study, 6575
diurnal variation of $f_o F_2$ (Fourier analysis), 8512
effect on central nervous system, 14504
electron gas in magnetic field, 11569
interplanetary, and solar winds, USSR study, 16749
magnetically induced nonequilibrium electron temperatures, 9995
measurements in neighborhood of moon by artificial satellite Luna-10, 1285
oblique ambient, time-dependent structure of one-dimensional magnetic compression waves in collisionless plasmas, 11508
solenoid, calculated from superposed semi-infinite solenoids, 1469
superconducting torus, potential and magnetic moment, 9986
ultrasonic attenuation for free electrons in presence of, theoretical investigation, 2705
use to produce ionic concentration gradients, 9589
- Magnetic materials:
cobalt-iron alloys with superior high temperature properties, 5209
transportation, Federal aviation regulations, 10098–999
- Magnetic moments, superconducting torus in nonaxial uniform magnetic field, 9986
- Magnetic Observatory, Automatic Standard, *see* Automatic Standard Magnetic Observatory.
- Magnetic recording, high-frequency, USSR study, 6504
- Magnetic resonance, electron, and magnetic susceptibility of Cu (II) compounds with dicarboxylic acids, USSR study, 14252
see also Nuclear magnetic resonance.
- Magnetic separators, use for reexamination of nonmagnetic taconite occurrences, 14346
- Magnetic storms:
equatorial Dst (storm time variation), provisional hourly values, 14459
principles of predicting, USSR manual, 14237

- Magnetic surveys, Canyonlands National Park, 2368
- Magnetic waves:
- compression, time-dependent structure in collisionless plasmas embedded in oblique ambient magnetic field, 11508
 - plasma accelerator, variable-length constant-velocity, experimental investigation, 18034
- Magnetism:
- neutron diffractometer allows both magnetic and crystallographic analyses, 12835
 - paramagnetism, finite lattice heat capacity effects on spin-lattice relaxation, 14516
 - residual, holds solenoid armature in desired position, 8464
 - susceptibility of nickel- and cobalt-bearing minerals, 17911
 - see also* Electromagnetism—*also* headings beginning Magnetic.
- Magnetite, alluvial, minor elements from Inner Piedmont belt, N.C. and S.C., 8172
- Magnetization:
- cobalt-iron alloy, magnetically soft, high-temperature, investigation, 1500
 - internal, of seamounts, and its computer calculation, 12612
- Magnetograms, MHV series, 7532
- Magnetohydraulics, *see* Hydraulics.
- Magnetohydrodynamic generators:
- installed in Soviet experimental power plant, 15428
 - magnetically induced nonequilibrium, electron temperatures, 9995
- Magnetohydrodynamics:
- ship propulsion, USSR study, 14256
 - stationary equilibria, variational principle, 12008
 - turbulent magnetohydrodynamic flows in prismatic and cylindrical pipes, 11571
 - vortex flows, confined near flat plate, analysis, 2606
- Magnetometers:
- condition of maximum sensitivity of magnetometer based on optical orientation of atoms, USSR study, 16772
 - maximum response based on optical orientation of atoms, USSR study, 17870
 - nonmagnetic, explosive actuated indexing device, 11496
- Magneto-optics, modulators, properties, 11487
- Magnetoplasma:
- Langmuir probe analysis of electron temperature variations in exhaust of magnetoplasma dynamic arc, 18047
 - nonlinearities in collisionless waves, magnitude, 5253
- Magnetoresistor monitors relay performance, 6810
- Magnetosphere, lunar intersection with tail of earth's magnetosphere, indications, USSR study, 1284
- Magnetostatics, echo mode variation in study of yttrium iron garnet rods, 12889
- Magnetrons, ion gauge, hot-cathode, 5185
- Magnets:
- classification bulletin, 2785
 - superconducting, effect of mechanical vibrations on performance, 11511
- Magpies, magpie reduction in an urban roost, 16635
- Mahé Island, *see* Seychelles.
- Mahogany:
- nursery stock, root pruning, 12572
 - seedlings, height growth, St. Croix, V.I., 12575
 - trees, West Indies, killing unwanted by peeling and frilling, 12573
- Mail carriers, rural, compensation, potential savings through changes in legislation effecting, GAO report, 4874
- Mail contracts, *see* Postal services.
- Mail matter:
- addressing for optical character reader, 17111
 - automated address coding guide and data retrieval series, 16028
 - carrying and handling, cost ascertainment report, 8613
 - Census Bureau address coding guide and register, general applications, 16028
 - false or misleading, amend U.S. Code—hearings, 747, 9167, 16430
 - reports, 10580, 16279
 - fraud—
 - and mailability, enforcement action, monthly releases, 3360
 - how postal inspection service protects you, 17119 - military assistance program addresses, MILSTRIP, 4679, 6152, 9379, 10900, 12445, 13926, 16472
 - pandering advertisement—
 - not desired by addressees, prescribe mailing, amend U.S. Code, hearings, 10671, 17608
 - regulate, hearings, 17672
 - return of obscene mail, amend U.S. Code, hearings, 10671, 17608 - shipping charges, rates to be fixed by Postmaster General, hearings, 9166
 - transportation of mail by vessels, rates of compensation—
 - law, 17554
 - reports, 10581, 16376 - unsolicited sample drug products, etc., prohibit mailing, hearing, 10668
 - see also* Franking privilege—International postal service—Letters.
- Mail routes, *see* Postal service.
- Mailing lists, suppliers and buyers, to furnish information to Postmaster General with respect to their identity and transactions involving sale or exchange, hearing, 10667
- Mails, *see* International postal service—Postal service.
- Maine:
- area measurement reports, 13358
 - census of agriculture, 1964, State and county statistics, 7499
 - census of manufactures, 1963, area statistics, 1841
 - census of mineral industries, 1963, area statistics, 7463
 - county business patterns, 10348
 - electric rate book, 11021
 - forest fires, who starts them and how? 8076
 - landings, fish and shellfish, 3533
 - annual summary, 12541
 - postal map, 5391
- Maine, University of, *see* University of Maine.
- Mainland, Donald, notes on biometry in medical research, 17284
- Mainland China in world economy, 10493
- Maintenance:
- aerospace maintenance safety, 2992
 - aircraft
 - Army Dept. management of repair parts reserved at depots in U.S., GAO review, 9555
 - Army, quality control and technical inspection, guide, 8893 - aircraft tools, Army technical manual, 4218
 - air-ground communication facilities, FAA handbook, 10980
 - air navigation and traffic control facility outage and equipment failure report, FAA handbook, 10983
 - Army aviation engineering manual, 4218, 7400, 8892, 10282.
 - Army model CH-34 helicopters, technical manual, 7401
 - aviation administrationman 1 & C, Navy training course, 7011

Maintenance—Continued

- beacons, non-directional, FAA handbook, 6236
 - bulletins, FAA handbook, 10982
 - certification procedures, FAA handbook, 10981
 - closed circuit TV course, class C, curriculum, 7015
 - diesel-electric locomotives, Army technical manual, 1772
 - Douglas DC-6/7 series aircraft, inspection notes, 17747
 - electric power generating plants, Air Force manual, 8855
 - electronics, Coast Guard manual, amendments, 4416, 10441
 - employment classifications and wage rates, region 6 housing authorities, HUD, GAO review, 2349
 - equipment, facilities in shore establishment, Navy design manual, 14566
 - general practices and procedures of Maintenance Division, Flight Standards Service, FAA handbook, 16560
 - industrial plant equipment, quality assurance program, 13912
 - internal combustion engines, 13017
 - irrigation operation and maintenance bulletin, 3448
 - Job Corps men's and women's centers, facilities maintenance and utilities operations handbook, 7876
 - maintenance and service workers in Washington, D.C., metropolitan area, examination announcements, 4403, 10428
 - amendments, 5925, 7532
 - management data, field command procedures, 11995
 - management, depot, field, and organizational, Air Force manual, change, 14767
 - management in Defense Dept., 17858
 - preventive—
 - occupational safety aid, 9720
 - safety in industry, instructor outline, 8293
 - railway cars, Army technical manual, 8891
 - shop practices, Army technical manual, 7406
 - training on TT-299/UG teletype equipment, trainee's guide, 1547
- Maintenance shops:**
- equipment, Federal item identification guides for supply cataloging, supplements, 3287
 - specialized equipment, industrial plant equipment handbook, 7852
- Maintenance technicians, examination announcement, 7537**
- Maio, Domenic A., effect of chemically inert gases on oxygen consumption in living tissues, 5708**
- Maisel, Sherman J.:**
- remarks—
 - Nov. 10, 1966, 1060
 - Nov. 16, 1966, 1064
 - Feb. 1, 1967, 4781
 - Apr. 14, 1967, 7996
 - May 9, 1967, 9496
- Makatea Island, see French Polynesia.**
- Make waistline fit on pants, 7282**
- Making and preserving apple cider, 13222**
- Making Europe whole, unfinished task, 1626**
- Making household fabrics flame resistant, 10177**
- Making pants longer or shorter, 7289**
- Malacca Strait, sailing directions, 14576**
- Malagasy Republic, see Madagascar.**
- Malaria, description, etc., health information series, 17146**
- Malathion:**
- evaluation, as protectant against insects in sorghum grain, in small bins, 11933
 - shelled corn protectant against insects in small bins, 36

Malathion—Continued

- use of malathion-treated drying trays to protect raisins from insects during drying and storage, 15859
- Malawi:**
- labor conditions, 1379
 - mineral industry, minerals yearbook chapter, 12806
 - treaties, continued application, agreement, 18233
- Malaya, see Malaysia.**
- Malaysia:**
- background notes, 10093
 - capsule facts for Armed Forces, 10250
 - economy, basic data, 1945
 - foreign trade regulations, 13458
 - Malaya, flies captured in treetops, 5313
 - minerals industry, minerals yearbook chapter, 6658
- Malcolm, F. B.:**
- coarse, feed-sawing of red oak, limited study, 11111
 - knee position recorder for sawmill carriage headblocks, 2297
- Malcolm, Gerald N., stability characteristics at Mach numbers of 10 and 26 of proposed slender atmospheric probe, 9894**
- Maldives Islands:**
- Euphilomedes astrostrata, new myodocopid ostracod, 6954
 - sailing direction, 17078
- Malechek, John C., cattle diets on native and seeded ranges in ponderosa pine zone of Colorado, 6369**
- Maleic anhydride, see Anhydrides.**
- Males, see Men.**
- Maletskos, Constantine, J., intercomparison of reliability of body 137c. measurements on human beings, 17400**
- Mall:**
- C-47 aircraft, agreement, 11873
 - labor conditions, 1380
- Mallards, lead poisoning, test of types in alleviating, 17786**
- Mallison, Earl D., use of ozone in tomato ripening rooms, 5**
- Mallotaphaga, see Lice.**
- Malmberg, Glenn T., hydrology of valley-fill and carbonate-rock reservoirs, Pahremp Valley, Nev.-Calif., 14178**
- Malnutrition:**
- and hunger in America, hearings, 16428
 - young cattle, effect on feed utilization, meat quality, etc., 14765
- Malone, John L., private enterprise and United Nations development program, how to bid on special fund projects, 4262**
- Malone, Kevin, mineral industry of Alaska, 5108**
- Maloney, Raymond P., investigations of White Mountain mercury deposit, Kuskokwim River basin, Alaska, 6677**
- Maloy, Charles R., rearing marketable channel catfish in ponds, 6356**
- Malta:**
- background notes, 13136
 - capsule facts for Armed Forces, 15907
 - cotton textiles trade, agreement, 15785
 - deployment of USS Cascade to, agreement, 8745
 - deployment of USS Shenandoah to, agreement, 2904
 - investment guaranties, agreement, 8748
 - maritime matters, deployment of USS Yellowstone, agreement, 15800
- Malvin, Harry H., methionine-pyridoxine and atresickness, 77**
- Mammals:**
- amicrobic, raising, USSR study, 6483
 - Aransas National Wildlife Refuge, list, 11087
 - Bear River Migratory Bird Refuge, list, 6354
 - Cabeza Prieta Game Range, list, 11089
 - Chincoteague National Wildlife Refuge, list, 2277

- Mammals—Continued**
fossil marine from Miocene Calvert Formation of Maryland and Virginia, 1530
Kofa Game Range, list, 11088
Sacramento Valley national wildlife refuges, list, 8030
- Mammoth Cave, cavernous limestones of area, hydrology, 1132**
Mammoth quadrangle, Ariz., geology, 11163
- Man:**
and wildlife, animal damage control policy for Sport Fisheries and Wildlife Bureau, 11078
atrial systole effect on right ventricular stroke output, 11956
behavioral model, 1967, his chains revealed, 14401
contaminants produced in space cabin simulator, 11955
control of movements, USSR study, 12690
convulsive state, USSR electron microscope study of cerebral cortex, 12752
electronicarousis and electrosleep, USSR book excerpts, 15396
emotional state under conditions of space flight, analysis of intonational characteristics as criterion, 6507
human ecology in south coastal Guatemala, 9954
integrated mobility measurement and notation system, 11451
late somatic effects of radiation, 10308
man in loop, space vehicle flight control systems, analysis and design, 12875
man-machine research, critical tracking task related to operator's delay time, 5174
man's adaptation to high altitude of lower Caucasus, USSR study, 14276
oxygen-hellum atmosphere—
behavior factors, 86
clinical observations, 90
enteric microbial flora, 79
exercise and cardiovascular response, 88
heat exchange, 81
introduction and general experimental design, 91
major and minor atmospheric components, 89
nutritional evaluation, etc., of feeding bite-size foods, 82-83
oral, cutaneous and aerosol bacteriology evaluation, 84
renal response, 87
selected blood enzyme response, 85
parotid flow rate, effect of mental exercise, 11963
physical endurance and its development, USSR study, 12698
physical exertion, effect on human organism, USSR study, 12689
physiological functions in normal persons, effects of change in nutrition pattern, complex investigations, USSR study, 11281
space psychophysiology, effect of high and low afferentation on human organism, 1345
viroid etiology of human leukemias, recent research, Rumanian studies, 6549
weather and the hand of man, 13993
- Man-hours, see Labor.**
Man-machine system:
command information processing systems, human factors research, 119
man-machine problem, report on Soviet symposium, 16753
see also Human engineering.
- Management, see Administrative management—Industrial management—Planning.**
Management analysts, development program, career opportunity, 9586
Management Department:
District of Columbia, establish—
hearings, 15022
report, 14949
- Management information reporting by community action agencies, 13939**
Management interns:
NASA headquarters program, 6729
Public Health Service program, 10065
Veterans Administration, 8781
- Management Services Office, Agriculture Dept., appropriations, 1968, hearings, 10629, 12397**
- Managers:**
fallout shelter, management handbook, 5916
senior level positions, examination announcement, 8988
- Manasquan, N.J., to Cape Hatteras, N.C. and Chesapeake Bay, coastal warning facilities chart, 14720**
Manchester, Alden C., dairy marketing, 4697
Manchester, N. H., area wage surveys, 1362, 17895
Mandan, N. Dak.:
culture history, interpretation—
departmental edition, 11973
document edition, 12193
- Mandible, see Jaws.**
Mandrels:
ductile mandrel and parting compound facilitate tube drawing, 5156
floating, technique used by thin-wall tungsten tubing, 1/2- and 3/4-inch diameter, 5250
hydraulic fluid serves as mandrel for small diameter refractory tube drawing, 5151
porous, provide uniform deformation in hydrostatic powder metallurgy, 12916
- Manle Bay:**
small-boat harbor construction, additional funds—
hearing, 12427
report, 10732
- Mannes, Deolz H. S. relief, 352, 825**
Maneuvering boards, programmed instruction course, 9978
Maneuvers, see Flight.
- Manganese:**
mineral industry survey, monthly, 3534
ores, duties, continue suspension—
law, 13530
reports, 9100, 13798
reactions with silica, 6684
recovery from ores and slags as chloride, one-step operation, 11369
- Manganese dioxide:**
battery grade synthetic, disposal from national stockpile—
law, 439
reports, 684, 921
- Manikins (space):**
thermal, 1435
- Manila American Cemetery and Memorial, general information, 17266**
- Manipulators:**
polynomial, AP-16S program, 9858
welding torch and wire feed manipulator, 17993
- Manitoba Province, Canada, access highway through Manitoba to northwest angle of Minnesota, construct, agreement, report, 2096**
Manly, Mary L., market factors in India, 17477
- Manned orbiting laboratory, see Satellites.**
Manned spacecraft, see Spacecraft.
- Mannella, Gene G., aerospace measurement techniques, symposium, 6734**
- Manners and customs:**
armies and social progress, USSR study, 1327
classification, Library of Congress, 5086
Negro in the West, social and economic conditions, 15453
social usage abroad, guide for American officials and their families, 8712
- Manninen, Elisabeth, relief, 281, 841**

INDEX 1967

- Manning, Larry A., minimal energy ballistic trajectories for manned and unmanned missions to Mercury, 9886
- Manning, Raymond B.:
demanll section of genus *Gonodactylus* Berthold, etc., 14541
notes on genus *Manningia*, etc., 6968
review of genus *Odontodactylus*, etc., 14535
- Manning of vessels, *see* Ships.
- Manningia*, *see* Crustaceans.
- Manometers, micrometer U-tube for ranges up to 100 mm of mercury, drawings, 17040
- Manpower:
- American Science, 1964, report of National Register of Scientific and Technical Personnel, 5323
 - America's industrial and occupational requirements, 1964-75, study, 6603
 - Army—
 - monograms for policy evaluation, 4227
 - rotation policy models, 7404
 - automation research monographs, 16793
 - development and training act of 1962—
 - amendments of 1966, law, 496
 - as amended, resources, utilization, etc., 1350
 - earnings mobility of MDTA trainees, 11296
 - employer's guide to on-the-job training, 12278
 - good training, good jobs, Detroit Skills Center, 16500
 - handbook chapter, training project development, 15221
 - learn and train for job under MDTA, 13971
 - MDTA and your health manpower needs, 15434
 - MDTA trainees, attitudes and motives, pilot investigation, 5035
 - redevelopment area residents program, overview, 10939
 - review of training activities, 15433
 - summary, 6594
 - training activities, report of Secretary of Health, Education, and Welfare Dept., 9578
 - training programs, impact on public assistance caseloads, 3406
 - development, community action for employment, 2166
 - DoD nationwide priority referral system, improved management, 2152
 - educating for 21st century needs tomorrow is now, 17717
 - health resources statistics, 10051
 - health service industry, 1965-75, report, 11297
 - implications of selective service, hearings, 10862
 - improved management in Federal Government, report, 12209
 - print as House document, report, 12280
 - industry, surveys, 17729
 - intergovernmental manpower act of 1967, hearings, 12409
 - library, public and school librarians, occupational characteristics, 4713
 - managing or motivating manpower? (address), 11295
 - manpower and employment statistics, 15452
 - manpower and training needs of States and local governments in water pollution control, report, print as Senate document, report, 16362
 - manpower/automation research notice, 3535
 - manpower research institutional grant program, progress report, 16795
 - manpower, today's frontier (address), 10945
 - mental health manpower—
 - current statistical and activities report, 2829
 - utilization, 2829
 - Manpower—Continued
 - national emergency standby regulations and instructions, Federal personnel, 3306
 - national patterns of R&D resources funds in United States, 14562
 - Navy, civilian manpower management (periodical), 8602
 - our market is the world, our product the individual (address), 12473
 - policy and current programs (address), 16515
 - policy and program, seminar—
 - automation in perspective of long-term technological change, 2487
 - challenges in sustaining prosperity, 5041
 - changing cultural patterns of work and leisure, 5042
 - cybernation and social change, 6596
 - how well is employment act of 1946 achieving its goal? 5043
 - investment in poor people, 5044
 - labor's role in war on poverty, 11299
 - labor's view of manpower policy, 14279
 - manpower potential in our ethnic groups, 17885
 - perspectives on natural resources and human resources, 6597
 - South and the southerner, 5045
 - university perspectives on manpower, 15435
 - womanpower policies, 17886
 - working with automation, 11300
 - potential in our ethnic groups, seminar proceedings, 17885
 - projections—
 - appraisal and plan of action, report of working group on manpower projections to President's Committee on Manpower, 16794
 - selected references, 2485
 - prospective manpower situation for science and engineering staff in universities and colleges, 14563
 - publications, selected, 8285
 - railway post offices costs savings available, GAO report, 6277
 - report of the President, 1967, statistics—
 - departmental edition, 9680
 - document edition, 9078
 - reports, 5035, 11296
 - reprints, 8284
 - requirements, resources, utilization, and training, Labor Department report—
 - departmental edition, 9680
 - document edition, 9078
 - research bulletins, 5036, 6593, 11297
 - research, guidelines, etc., for grants and contracts, 6591
 - research projects, 1351, 17884
 - scientific and technical, Impact of Federal research and development policies report and recommendations, 4650
 - scientific manpower utilization, hearings, 4652, 10869
 - specialized personnel, career guidance, report of Subcommittee on Career Guidance of Committee on Specialized Personnel, Labor Dept., 11293
 - statistics from current population survey, concepts and methods used, 12768
 - telephone industry, 1965-75, report, 5036
 - utilization—
 - affirmative program, equal opportunity in Reclamation Bureau, 13104
 - at military installations in Far East and Western Europe, report, 9133
 - water pollution control, manpower needs, 17615
 - Manpower Administration, manpower, publications, selected, 8285
 - Manpower for America, 13971
 - Manson, S. S.:
 - application of double linear damage rule to cumulative fatigue, 9875

Manson, S.S.—Continued

low cycle fatigue of notched specimens by consideration of crack initiation and propagation, 12921

Manson, S. V., exploratory study of internally and externally finned radiators for Brayton cycles in space, 8405

Mantas, Panagiotis, *see* Paulus, Panagiotis.

Manual arts therapists, Veterans Administration hospitals and clinics, nationwide, 14713

Manual de referencia sobre la ley de normas razonables de trabajo, según emmendada en 1966, 5590

Manuals, *see* names of departments, etc., issuing manuals—also subjects.

Manufacturers, *see* Manufactures and manufacturers.

Manufacturer's agents, sample display service, new way to find agents and distributors overseas, 4923, 14207

Manufactures and manufacturers:

annual survey of manufactures, 1830, 4264, 7454-55, 8927, 17418-420

book value of fixed assets and rental payments for buildings and equipment, 17418

expenditures for new plant and new equipment, 7455

fuels and electric energy used, by major groups, and by divisions and States, 17419

Industry groups and industries, general, statistics, 4264, 8927

States, standard metropolitan statistical areas and large industrial counties, statistics, East South Central division, 17420

value of manufacturers' inventories, 7454

Army Materiel Command manufacturing methods and technology, 5-year program, 15943

census, 1963—

area statistics, 152-165, 1833-53, 4271

bound volume, 7462

final reports, announcement and order form, 12033

general summary, 4273

industry statistics, 4272, 8933

bound volume, 7461

manufacturers inventories, 4275

plant and equipment expenditures, 4276

preliminary reports, 3086

publication program, 5819

size of establishments, 4274

special reports, 13362, 14817

subject statistics, 4273-79

bound volume, 7460

summary and subject, industry and area statistics, announcement and order form, 12037

census publications, price list, 7056

commodity transportation survey—

commodity groups, 7472

shipper groups, 1855

and production areas, 7473

computerized parts list system coordinates engineering releases, parts control, and manufacturing planning, 17929

concentration ratios in industry, 2126

supplement, 13362

earnings series, summaries, 5083, 12775

employment in manufacturing, by counties of U.S., 1960, map, 1890

enterprise statistics, 1963, preliminary reports, 3241

exports of manufactured products, survey of origin, current industrial reports, 17436

exports sales and orders, current industrial reports, 3169

Federal supply code for manufacturers—

excluding United States and Canada, 2145

supplements, 3325

Manufactures and manufacturers—Con.

Federal supply code for

manufacturers—Continued

United States and Canada—

code to name, 2144, 16457

supplements, 3326

name to code, 976, 17688

supplements, 3327

financial report of corporations, quarterly, 3794

injury rates in manufacturing industries, 3422

machine tool manufacturers, problems, report, 4514

manufacturers part and drawing numbering systems, Defense Dept. handbook, 2146, 7847, 10886

manufacturers' shipments, inventories, and orders, current industrial reports, 3540

manufacturing capacity, etc., revised indexes, 4790, 14045

Minnesota and two Dakotas rank high in production and international sales (remarks), 4448

small manufacturers, management aids, annual compilation, 2854

type of organization, 1963 census of manufactures, 5820

wage developments, summary, 4041

water use in manufacturing, 1963 census of manufacturers, 4279

see also names of manufactured articles.

Manuscripts:

historic, concerning general agriculture in collection of National Agricultural Library, 8515

national union catalog, Library of Congress collections, 2531

Manville, Richard H., extinct sea mink, with taxonomic notes, 6964

Many-body problem, *see* N-body problems.

Mao-Tse-Tung, anti-economism campaign idealizes poverty, USSR historian claims, 6582

MAP (Macro assembly program), *see* Electronic computers.

MAP (military assistance program), *see* Military aid.

Map Information Assembly and Display System, MIADS2, alphanumeric system for large computer, 14142

Map reading, *see* Maps and charts.

Mapel, W. J., bituminous coal resources of Texas, 8158

Maple, William R., Appalachian loblolly grows well in Arkansas Ozarks, 2320

Maple:

diseases and their control, guide for homeowners, 8832

queensland maple seedlings in Hawaii, growth accelerated after first year, 8090

red, suppressed, annual growth, basis for hydrologic inference, 11171

sugar maple log and lumber values, effect of staining caused by sapstreak disease, 2306

Maple sirup:

production and industry, producers manual, errata, 28

reprocessing, U.S. standards for grades, 13898

table, U.S. standards for grades, 13899

Mapping tungsten-reactor rocket engine as guide to operation and control, 9876

Maps and charts:

aeromagnetic analysis of upper Mississippi Valley zinc-lead district, 4888

aeromagnetic maps of Tintic Valley and adjacent areas, 8164

aeromagnetic survey of Iron Springs district, Utah, geologic interpretation, 11173

Maps and charts—Continued

- alphanumeric map information assembly and display system for large computer, 14142
- cartographic records of—
 - American Expeditionary Forces, 1917–21, preliminary inventory, 14508
 - Forest Service, preliminary inventory, 14510
- cartography, USSR scientific research goals, 14257
- catalog of copyright entries, 12433
- Census Bureau, United States maps, GE-50 series, 1891
- census publications, price list, 7056
- Coast and Geodetic Survey—
 - aeronautical charts—
 - catalogs, 5939, 8998, 16084
 - dates of latest editions, 3191
 - flight information publications, dates of latest editions, 3192
 - instrument approach procedure charts, 3423
 - military fields, 3555
 - nautical chart catalog—
 - Alaska and Aleutian Islands, 216
 - Atlantic and Gulf Coasts, Puerto Rico and Virgin Islands, 4415
 - Pacific Coast, Hawaii, Guam and Samoa Islands, 7558
- DoD aeronautical chart updating manual, 3212
- Eastern Europe, cartography, new developments, Hungarian study, 15358
- Federal item identification guides for supply cataloging, supplements, 3292
- geodesy and cartography (Hungarian periodicals), translations, 17872
- geological mapping in sea regions, USSR study, 9640
- Geological Survey, released only in open files, 9563, 15307
- grids and grid references, Army technical manual, 15945
- Image Interpreter map displays, chip versus hard copy, 4224
- large scale maps for city, construction and technical planning, requirements, 4981
- legibility of military map symbols on television, 63
- lunar charts—
 - AIC 57C, Encke, 7323
 - AIC 57D, Maestlin, 7324
 - AIC 61C, Seechi, 7325
 - AIC 75A, Flamsteed, 7326
 - AIC 75B, Wiclinnann, 7327
 - AIC 76A, Euclides P., 7328
 - AIC 76B, Fra Mauro, 7329
 - AIC 77B, Hipparchus, 7330
 - AIC 78A, Delambre, 7331
 - AIC 78B, Torricelli, 7332
 - AIC 79B, Messier, 7333
 - LAC 11, J. Herschel, 10224
 - LAC 12, Plato, 10225
 - LAC 23, Rumker, 10226
 - LAC 24, Sinus Iridum, 7320
 - LAC 25, Cassini, 7321
 - LAC 26, Eudoxus, 13263
 - LAC 27, Geminus, 15886
 - LAC 62, Mare Undarum, 7319
 - LAC 96, Rupes Altai, 7322
 - LAC 113, Maurolycus, 8865
 - LAC 114, Rhelita, 4167
- lunar reference mosaic, earthside hemisphere, 4168, 15887
- map reading, field manual, 5726
- Naval Oceanographic Office, chart correction lists, 5337, 14582
- price list, 17134
- topographic, how they are made, 1618
- topographic mapping, report, 4891
- TVA Maps and Surveys Branch, general information, 1649
- Weather Bureau, daily synoptic series, 3181

Maps and charts—Continued

- see also Aerial mapping—also names of localities—also subjects.
- Mar del Plata convention, text, 6065
- Marcello, Bernardino D., relief, 13515, 13609, 13763
- Marchant, Jack D., solid-state electromigration of impurities in cerium metal, 5129
- Marcus, Emanuel, relief, 13589
- Marcus, L., compositions, coating or plastic, classification definitions, 8605
- Mare Undarum, LAC 62, lunar chart, 7319
- Marek, Czeslawa, see Piotrowski, Maria A.
- Maremont Corporation, adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Assistance Board, 5565
- Margason, Richard J., static calibration of ejector unit for simulation of jet engines in small-scale wind-tunnel models, 6899
- Marina Islands, Guam, geology and hydrology (series), 1119
- Mariano, Frank A., Army aviation digest, 3996
- Marhuana, use on college campuses, hearings, 2128
- Marine biology:
 - biological research laboratory, La Jolla, Calif., use of land donated by University of California hearing, 746
 - survey of fifty years of Soviet work, 14236
 - USSR, hydrobiology, basic goals in current 5-year plan defined, 6522
- Marine Corps:
 - aircraft 1913–65, utilization, 17905
 - antimechanized operations, Fleet Marine Force manual, 16841
 - command and staff action, manual, 2533
 - commandant, appointment, etc.—
 - law, 12164
 - report, 10611
 - enlisted members, computing retired pay, report, 10270
 - First World War, annotated bibliography, 14310
 - Fleet Marine Force manual FMFM series, 2533, 6624–25, 8331, 12781–782, 15460, 16839–841
 - Harper's Ferry and in Civil War, historical reference pamphlet, 12784
 - historical bibliographies series, 14310
 - historical reference pamphlets, 8332, 12784, 14311, 17994–906
 - history of operations in World War II, central Pacific drive, 12783
 - Iwo Jima, battle and flag raising, 14311
 - logistics and personnel support, manual, 6624
 - management review (periodical), 3614
 - Marine Band, history, activities, etc., 9750
 - materials, transfer of excess to Army, expedited procedure, GAO review, 14163
 - 9th Marines, brief history, 17904
 - occupational opportunities, 16842
 - officers—
 - general, authorize increase—
 - hearing, 940
 - law, 444
 - report, 926
 - professional reading guide, 17079
 - register—
 - departmental edition, 11662
 - document edition, 10301
 - retired, register, 1546
 - outlook for your future as marine, career information, 15461
 - ribbons of decorations and awards (poster), 11663
 - serving America as woman marine, 11341
 - small unit action in Vietnam, summer 1966, 8332
 - terminal facilities guide, Defense Supply Agency handbook, 17690
 - uniforms, regulations, 8333
 - U.S., in southeast Asia, report, 10815

Marine Corps—Continued
 United States Marine Corps, 1966, 191st year of faithful service, 14312
 Washington, D.C., general information, 11342
Marine Corps Reserve:
 history, 1394
 mobilization in Korean conflict, 17906
 officers—
 general, active status, increase number, report, 14944
 retired, register, 1546
 reserve marine (periodical), 3828
Marine engineering, operation and maintenance, Navy officers' text, 7016
see also Naval engineering.
Marine geology, see Submarine geology.
Marine inspection, see Ships.
Marine investigation regulations and suspension and revocation proceedings, 10443
Marine museums in United States, 16843
Marine Resources and Engineering Development, National Council on, see National Council on Marine Resources and Engineering Development.
Marine safety and seamen's welfare act of 1967, draft bill, supplement, 16404
Marine science, see Oceanography.
Mariner, see Spacecraft.
Mariners, see Notice to mariners.
Mariners weather log (periodical), 3541
Marines, see Marine Corps.
Marquette County, Wis., Menominee iron-bearing district, geology, 6398
Marino, Vicente Fernandez, see Fernandez Marino, Vicente.
Maritime Administration:
 appropriations, require authorization—
 hearings, 4532, 7753
 law, 16137
 reports, 696, 9108, 9124
 current regulations, index, 11343
 financing operations of Government-owned vessels supporting military activities in southeast Asia, potential savings, GAO report, 14157
 introducing programs and activities, 5090
 performance and payment bonds on ship construction contracts, policy, etc., GAO review, 2350
 press releases, 3743
 report, 1966—
 departmental edition, 8334
 document edition, 7596
 SP series, 6626-27, 9751, 12787, 17907-908
Maritime Board:
 establish—
 hearings, 16335
 reports, 15,009, 16278
Maritime Consultative Organization, Inter-governmental, see Intergovernmental Maritime Consultative Organization.
Maritime Industry, see Merchant Marine—Shipping.
Maritime navigation, see Navigation.
Maritime safety digest (periodical), 3542
Maritime safety specialists, examination announcement, 14867
Maritime services, see Shipping.
Maritime Subsidy Board, current regulations, index, 11343
Maritime traffic, see Ships.
Mark, Harold M., fallout characteristics from deeply buried nuclear detonation, 7426
Mark Twain National Wildlife Refuge, birds, list, 11083
Markers, slide marker devices for automotive vehicles, Federal standard, 6331
Marketing, see Markets and marketing.
Marketing Conference, National, see National Marketing Conference.
Marketing Research Advisory Committee, Agriculture Dept., required meetings to be held, reduce, report, 16361

Markets and marketing:
 acreage marketing guides, 962, 2134, 4661, 6127, 7828, 10872, 16441
 Africa, market profiles, 14880
 agreements and orders, statutes, compilation, 7262
 agricultural marketing (periodical), 2997
 agricultural marketing act of 1946—
 amend, report, 16361
 and regulations thereunder, 9332
 agricultural marketing agreement act, amend, hearing, 13693
 building U.S. sales in expanding world market (address), 4920
 business benefits from fair play in market place (remarks), 7582
 Chile, market for U.S. products, 2417
 Commerce Department—
 objectives for marketing and distribution (address), 245
 services to and for business (address), 1825
 creating new market places for private enterprise in cities, education and training, etc. (address), 10450
 crops, quotas and allotments, statutes, compilation, 7262
 dairy marketing economics, research publications, bibliography, 13950
 economics research publications, 13944
 effects on economic and social conditions (remarks), 242, 1960
 Federal-State market news service, California rice stocks and movement report, 3074
 foreign commercial markets (talk), 4818
 foreign crops and markets (periodical), 3344
 foreign market reports service, listing, 12653
 Government-business relations component in your marketing mix (address), 10329
 machine tool distributors, problems, report, 4514
 market factors in—
 India, 17477
 Spain, 13459
 market for U.S. products in Taiwan, 17853
 market indicators for Asia and Oceania, 9013
 market profiles—
 Latin American area, 13455
 Western Europe and Canada, 13462
 marketing and management practices, retail florist industry, graphic view, 13228
 marketing and public interest, selected issues and viewpoints (address), 226
 marketing and transportation, 3543
 marketing bulletin, 15858
 marketing information guide, annotated bibliography, 3544
 marketing research reports, 34-37, 1702-4, 4120-22, 5644-53, 7276-78, 8834-36, 10179-181, 11933-935, 13228, 14751, 15859-864, 17322
 national conference, 10465
 new role of Commerce Dept. in marketing (address), 227
 premium on marketing, trillion dollar economy (address), 8924
 sample display service, new way to find agents and distributors overseas, 4923, 14207
 Scandinavia today, billion dollar U.S. market, 9603
 small marketers aids, annual compilation, 2858
 see also names or classes of commodities, etc., marketed.
Marking, Lelf L., investigations in fish control, 8033
Marking:
 ammunition components, inert, for shipment, military standard, 10899

INDEX 1967

- Marking—Continued
country or origin marking requirements
on U.S. imports, 7842
fish with dyes and other chemicals, 4812
identification marking of—
administrative wheeled vehicles, mili-
tary standard, 4678
aluminum, magnesium, and titanium
Federal standard, 8008
nickel and nickel base alloys, Federal
standard, 16603
identification of combat and tactical trans-
port vehicles, 12443
industrial, industrial plant equipment
handbook, 7850
iron and steel products, Federal standard,
2269
price marking—
cases at grocery warehouses, use of
adhesive labels, 10155
meat and poultry in retail food stores,
systems and equipment, 7276
steel products, recommendations of trade,
amdt., 6920
supplies and equipment, AMC pamphlet,
4192
Marksmanship, *see* Shooting.
Markwaller, George, claim, 7619
Marquesas Islands, *see* French Polynesia.
Marquette Iron Range:
notation procedures for fine-grained hema-
tite ores, laboratory, etc., development,
14335
water resources of area, 14183
Marquis, David A., germination and growth
of paper birch and yellow birch in simul-
ated cuttings, 4849
Marriage:
characteristic of metropolitan population,
10360
District of Columbia license, blood test
and waiting period requirements,
transfer authority to waive—
law, 13533
reports, 12384, 13641
documentary requirements for United
States citizens in Italy, agreement,
15767
marital status, Mar. 1966, population char-
acteristics, 4350
United States, 1962, statistics analysis,
5471
vital statistics of U.S., 10070
Married persons, *see* Husbands and wives.
Mars, Lawrence L., exploratory cost-benefit
analysis of vocational rehabilitation,
18196
MARS, *see* Military Affiliate Radio System
(MARS).
Mars (planet):
atmosphere—
flyby measurements of profiles of water
vapor, etc., 15569
investigation, 5276
properties, feasibility study of experi-
ment for determining, 14371
Earth-Mars-Earth flight, minimum time
with unregulated low-thrust engine,
USSR study, 17881
Mariner IV, review of results, 14402
meteorology, summary of available knowl-
edge, 11410
nominal natural environment for advanced
planetary mission programs, 8436
physical properties, handbook, 15516
Voyager 1973 mission, space flight investi-
gations, opportunities for participation,
17019
see also Satellites.
Marsetta, Marion E., legibility of military
map symbols on television, 63
Marsh, K. R., V/STOL concepts for short-
haul transport aircraft, 5171
Marshall, George C.:
20-cent regular postage stamp—
ceremony (address), 18135
poster, 154647
Marshall, Thurgood:
nomination—
hearings, 13876
report, 15062
Marshals:
Federal, appointment records, pamphlet
to accompany microcopy Idaho, Ter-
ritory and State, 18071
United States, appointment by Attorney
General, hearings, 2054
Marson, Frank M., bibliography on snow, ice,
and frozen ground, 14791
Marti Priete, Marcial A. (Alfred), relief,
347
Martian atmosphere, *see* Atmosphere.
Martin, Clark S., Santa Rita Experimental
Range, center for research on improve-
ment and management of semidesert
rangelands, 2331
Martin, D. O., interstate air pollution study,
meteorology and topography, 11739
Martin, E. Dale, method of asymptotic ex-
pansions for singular perturbation prob-
lems with application in viscous flow,
9885
Martin, J. Rod, growth and capital accumu-
lation of farms in rolling plains of Okla-
homa and Texas, 17336
Martin, R. O. R., reservoirs in United States,
4895
Martin, Troy C., fluorescent excitation using
isotopic X-ray emission, 5779
Martin, William M., jr.:
remarks—
Jan. 30, 1967, 4787
May 16, 1967, 11058
June 26, 1967, 12536
Martin Company workers, reemployment ex-
periences, effects of defense employment re-
adjustments, 5720
Martin Del Campo, Roberto, relief, 13608,
17535
Martin Ruiz del Castillo, Antonio, relief,
15068, 16223, 17525
Martin River and Valley, area, geomorphic
effects of earthquake, 2370
Martinez, Alberto L., relief, 579
Martinez, Eleanor R. Diaz, *see* Diaz, Beatriz.
Martinez, Mario G., relief, 9218, 12236,
13494
Martinez-Farinas, Luis O., relief, 13748,
16190, 17504
Martinez Torres, Rafael P., relief, 335, 571
Martinez y Corpas, Miguel A., relief, 259,
871
Martinson, R. Kahler, factors influencing
waterfowl counts on aerial surveys, 15268
Marty, Robert:
compound interest tables for long-term
planning in forestry, 13212
planning for timber-tract development,
11137
Martz, Helen E., national blueprint for pub-
lic welfare, 4897
Martz, Richard L.:
auditory vigilance as affected by signal
rate and intersignal interval variability,
11346
bibliography and index of research in hu-
man and animal vigilance, 9753
signal presentation rate, auditory thresh-
old, and group vigilance, 11349
Maryland:
area measurement reports, 5812
census of agriculture, 1964, State and
county statistics, 7508
census of manufactures, 1963, area sta-
tistics, 157
census of mineral industries, 1963, area
statistics, 5829
climatological data, 3096
congressional districts, 90th Congress,
5901
construct, maintain, and operate addi-
tional bridges and tunnels across or un-
der Chesapeake Bay, report, 16273

Maryland—Continued
 county business patterns, 1864, 13374
 differential assessment of farmland near cities, experience, 17712
 electric rate book, 4774
 fossil marine mammals from miocene Calvert Formation, 1530
 landings, fish and shellfish, 3545, 17770
 mineral industry, minerals yearbook chapter, 5116
 precipitation data, hourly, 3401
 site index of sweetgum stands in relation to soil characteristics, 4832
 timber resources, 17808
 transit compact, approval—
 hearing, 2132
 law, 478
 report, 654
 women, legal status, 1667
 yellow-poplar, treatments needed to regenerate, 17804
Maryland-National Capital Park and Planning Commission, information system for urban planning, 11207
Maryland tobacco, see Tobacco.
Marysville Dam and Reservoir:
 engineer report—
 departmental edition, 1027
 document edition, 525
Masers:
 bibliography, 14407
 hydrogen maser as highly stable frequency reference, 11475
 parametric up-converter increases flexibility, 9859
Masica, William J., liquid surface motion in response to lateral acceleration during weightlessness, 12966
Masked DL for pitch memory, 11348
Masked form of messenger ribonucleic acid, USSR, 6539
Masking materials, silver-palladium braze alloy, recovered from, 6793
Masks, protective, available for agricultural workers in USSR, description, 2457
 see also Oxygen masks.
Mason, Brian, composition of Allegan, Burghelua, and Cynthia meteorites, 18089
Masonry, concrete masonry construction for cabins, building plan, 5664
Masons:
 safe work guide, 11304
 stone and brick, examination announcement, 10415
Mass (physics):
 dynamic characteristics of variable-mass slender elastic body under high accelerations, 5188
 realistic uncertainties and mass measurement process, illustrated review, 15592
Mass rearing fall armyworm in laboratory, 8805
Mass spectra, see Spectra.
Mass spectrometers, see Spectrometers.
Mass spectrometry, see Spectrometry.
Mass Spectrometry Section, Analytical, see Analytical Mass Spectrometry Section.
Mass spectroscopy, see Spectroscopy.
Mass transfer:
 characteristics of axial-flow liquid core nuclear rocket, 14497
 heart and mass transfer at stagnation point, 12869
 in capillaries and porous media, 8211
 in stainless steel-Ch-1Zr-potassium system, and effect of stabilization of carbon and nitrogen in stainless steel, 12864
 saline water systems, properties, 2393
 sublimation from snow-surface, investigation, 4198
 through liquid interface, mechanism, 8215
Mass transportation, see Transportation.

Massachusetts:
 area measurement reports, 10336
 bus taxation proration compact, consent of Congress, law, 440
 census of agriculture, 1964, State and county statistics, 7501
 census of mineral industries, 1963, area statistics, 5830
 county business patterns, 10345, 10349
 electric rate books, 1055, 15246
 geology of selected quadrangles (series), 6359, 9560
 housing discrimination in Springfield-Holyoke-Chicopee metropolitan area, report, 4385
 Ipswich River basin, water resources, 6411
 landings—
 by ports, 1966 summary, 12543
 fish and shellfish, 3546
Massee, T. W., moisture conservation for wheat production, 4088
Masser, Charles C., vapor pressure data extrapolated to 1000 atmospheres for refractory materials, etc., 18015
Mastenbrook, Henry J., water vapor observations, 5362
Masters of ships, see Shipmasters.
Masterton, William J., relief, 7626, 12348, 13475
Matamoros, Mexico, despatches from U.S. consuls, microcopy, pamphlet to accompany, 18060
Matanuska River and Valley, Cretaceous ammonites from Matanuska Formation, 8170
Matching studies series, 8955
Materials:
 Army and Marine Corps, transfer of excess, expedited by improved procedure, GAO review, 14163
 atomic—
 AEC-contractor management meeting, 12316
 development programs, summaries, 4238
 program, AEC authorizing legislation, 1968, hearings, 10491
 beautiful junk, inexpensive materials for preschool program, 17709
 building materials, USSR industrial development, translations, 4017
 defense materials system program identification symbols, used in segregating renegotiable and nonrenegotiable subcontracts, 13105
 distribution and receipt, Atlantida, household sample surveys, 1885
 future in materials (address), 17472
 hard superconductive, ac properties determined by simple technique, 6817
 high temperature bearing case materials, evaluation, 5274
 industries, East European, translations, 3957
 laser, research, 5344
 nuclear, see, above, atomic.
 opaque, surface temperature measurements with pyrometry, 2649
 preservation, packaging and packing, Federal test method standard, 16605
 pyroelectric, research program, 5159
 reactor, quarterly technical progress review, 3807
 science—
 Communist Chinese abstracts, 3122
 East European abstracts, 3223
 USSR abstracts, 4030
 selected materials consumed, 1963 census of manufacturers, 4277
 selected, thermal conductivity, 1523
 solid, mass spectrometer analysis with ion-microprobe sputter source, 5178
 spacecraft, metallic materials and elements for aerospace vehicle structures, military handbooks, 7860, 9370

Materials—Continued
 standard reference materials, National Bureau of Standards—
 catalog and price list, 17033
 quarterly insert sheets, 1519, 11582
 new materials, publications, etc., 11588
 news for users of, 12987
 organic, 18081
 strength and plasticity, USSR research on scientific bases, 2453
 structural—
 high strength, metallurgical characteristics, 5363, 10014
 isostatic compression process converts polyaromatics into, 12898
 thermal protection, sensors to obtain in-flight ablation measurements, development, 1494
 thermoluminescent, emission spectra, 1552
 thermoplastic rubberlike, low cost production, 2623
 trace characterization, chemical and physical methods, measurement methodology, 12985
see also Coating materials—Composite materials—Wicking materials—also names of materials.
Materials handling:
 Army technical manual, changes, 7402, 14803
 equipment, Federal item identification guides for supply cataloging, supplements, 3285
 feeders, industrial plant, equipment handbook, 6141
 radioactive, international traffic, 7432
 safety in industry, instructor outline, 9681
 standard time data, manual 10898
 change, 17699
 technical manual, 115
Materials Research Institute, see Institute for Materials Research.
Material, see Military supplies.
Mathematical models, see Mathematics.
Mathematicians:
 Army, 12th conference, transactions, 8576
 examination announcement, amendment, 4388
Mathematics:
 algorithms—
 for approximate solution of resource distribution problem, etc., 17868
 for synthesis of asynchronous sequential circuits, 1473
 ambiguity function independent of assumptions about bandwidth and carrier frequency, 8598
 application of mathematical methods in military affairs, USSR book excerpts, 15359
 applied, computers, and information models, USSR study, 16735
 applied mathematics series, 14513
 asymptotic—
 behavior of solutions of boundary problems for quasilinear differential equations, 11573
 expansions method for singular perturbation problems with application in viscous flow, 9885
 celestial mechanics, new methods—
 integral invariants, periodic solutions of 2d type, doubly asymptotic solutions, 11561
 Newcomb, Gylden, Lindstedt, and Bohlin methods, 11560
 periodic solutions, non-existence of integral invariants, asymptotic solutions, 9921
 choice of parameters of influence functions using analog computer, 1181
 communications-electronics, principles and applications, technical manual, change, 15953
 Communist Chinese abstracts, 3123
 computer programs, compilation, 5196

Mathematics—Continued
 computer solution of exponential decay or washout curves, evaluation, 15894
 course and curriculum improvement projects, 5324
 decision model algorithm of Leont'yev type, 17879
 East European abstracts, 3224
 economic-mathematical research at Atlantiro, 1202
 economic planning aided by, USSR, 1328
 educational activities, USSR, 1341
 instruction, financial assistance guidelines under NDEA, 13956
 mathematical methods of interpreting and evaluating proteologram and their practical significance, USSR study, 12694
 mathematical problems of cybernetics and computer engineering, USSR study, 16784
 mathematical theory of critical state of reactors, certain problems, USSR study, 15357
 mathematics and mathematical physics, journal of research, National Bureau of Standards, 3459
 mathematics in space science (series), 8513
 Mathieu functions, tables, 14513
 minimum initial impulse under arbitrary initial velocity vector, optimum transfer between 2 terminal points, 1427
 model of method of orbit adjust and station keeping gravity-oriented satellites, 2688
 national defense education act, loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
 Navy training course, 7020
 optimal training algorithms for automatic systems in case of nonideal teacher, USSR study, 9619
 periodic solutions for restricted 3-body problem of celestial mechanics, 9813
 problem of meeting movements, USSR study, 15427
 proper rotations of 3-dimensional orthogonal frame, 6861
 quadratic-regression analysis, fitting surfaces to assay and other three-dimensional data, computer method, 2580
 research, summaries of projects supported by AEC, 12015
 Rumania, center for mathematical statistics, activities, 1195
 scientific tests, standards, publications, price list, 2804
 stability theory of multistep methods, 11523
 statistical technique for dynamic analysis of vehicles traversing rough yielding and non-yielding surfaces, 8407
 tables—
 folded-sin x/x coefficients, 4413
 Hadron production reactions, consequences of unitary symmetry, 5759
 interference factors for use in correcting data from VTOL models in wind tunnels with 7 by 10 proportions, 9825
 teachers in Peace Corps, 5380
 technician, examination announcement, 1910
 USSR abstracts, 4031
 voting function for continuous quantities, USSR study, 8263
 Weber functions and derivatives, FOR TRAN program for computation, 8484
see also Algebra—Arithmetic—Equations—Integration (mathematics)—Optimal processes—Programming (mathematics)—Randomness (mathematics)—Transformations (mathematics).
Mathematics aids, mathematics technicians, examination announcement, 13445

- Mather, Bryant, cement performance in concrete, 1652s
- Mather, J. Warren, major regional cooperatives handling supplies, 7943
- Mathers, Boyd L., different viewing devices for photo interpretation, 10283
- Mathews, David R., properties of vanadium-base tungsten and chromium alloys, 9780
- Mathias, Adrian J., mine production-scheduling model, etc., for long-range mine planning, 9786
- Mathieu functions, tables, characteristic values, coefficients and joining factors, 14513
- Mathis, Billy, oil and gas lease, reinstate, 530, 12324
- Mathur, S. C., gamma ray angular distribution coefficients, 12013
- Matrices (mathematics):
matrix algebra, basic properties, 15464
matrix analysis of longitudinal and torsional vibrations in nonuniform multi-branch beams, 6886
matrix-Holzer analyses for fully-coupled vibrations of clustered launch-vehicle configurations, 5158
stiffness matrix solution for shells of revolution possessing variable thickness heat protection, 11514
structural analysis and matrix interpretive system, (SAMIS), 12599
transformation to phase-variable canonical form, 12923
- Matter of life and death, 5377
- Matter, particulate, profile in Martian atmosphere, flyby measurements, 15369
- Matthal, Howard F., measurement of peak discharge at width contractions by indirect methods, 14176
- Matthews, Earle D., soil survey of Queen Anne's County, Md., 2874
- Matthews, Howard A., educating for 21st century manpower needs, tomorrow is now, 17717
- Matthews, Ralph, jr., communities in action, 3124
- Matting, Fred W., surface ablation of non-charring materials, 2724
- Matresses, current industrial reports, 3169, 8941
- Mattson, Peter H., Cretaceous and lower Tertiary stratigraphy in west-central Puerto Rico, 17520
- Maughan, Edwin K., Big Snowy and Amsden groups and Mississippian-Pennsylvanian boundary in Montana, 15309
- Maugialardi, Gino J., effects of grid-bar air wash on efficiency of lint cleaners and fiber quality of cotton, 14759
- Mauli:
Iao Stream, engineer report—
departmental edition, 13977
document edition, 13559
- Maumee River:
basin, engineer report—
departmental edition, 2212
document edition, 2001
- Maurer, Alan O.:
basic data on economy of—
Fed. Rep. of Germany, 10463
Italy, 16107
- Mauritania:
background notes, 8709
capsule facts for Armed Forces, 10247
labor conditions, 1381
Peace Corps volunteers, agreement, 7177
Mauritius, labor conditions, 1382
Maurolucus LAC 113, lunar chart, 8865
- Macrodoanenu, R., bibliography on flame spectroscopy, analytical applications, 8519
- Maxie, E. C., radiation technology in conjunction with post-harvest procedures as means of extending shelf life of fruits and vegetables, 5792
- Maximum principle, see Principle of the maximum,
- Maxwell, Armine J., soil of Love County, Okla., 8699
- Maxwell, John A., claim, 13586
- May, Timothy C., pumice, 1407
- Maya, Jacobo Albo, see Albo Maya, Jacobo.
- Maybe Creek, geology of Umat-Maybe Creek region, 8159
- Mayer, Jean, obesity and health, 1585
- Mayes, Herman F., electrically operated gates for livestock markets, 10153
- Mayonnaise:
and related products—
current industrial reports, 12079
industry reports, 145-146, 12028
- Mayors of each city with local airline service, CAB letter, 3937
- Maypa, Visitation E., relief, 16199
- Mayville, Ky., Upper Ordovician formations in area, 2361
- Maytin, Orlando H., relief, 15071, 16225, 17527
- Mazy, R. S., internal restraint system for integrated restraint-pressure suit system, 6727
- MB-5, see Firefighting vehicles.
- MB series, 2962
- MDTA (Manpower development and training act) see Manpower.
- Mead, Margaret, changing cultural patterns of work and leisure, 5042
- Mead, Robert L., power from radioisotopes, 7444
- Meade, Robert H., petrology of sediments underlying areas of land subsidence in central California, 12607
- Meador, Willard L., decompression sickness in high-altitude flight, 14778
- Meal:
domestic corn meal bulletin, 3215
enriched cornmeal, good choice for thrifty family, food value, use, recipes, 10876
export corn meal—
port bulletin, 3248
price bulletin, 3249
oilseed meals, production and use, post-war trends, 9391
- Mealey, Charles, computer-controlled central digital data acquisition system, 11492
- Meals, see Food.
- Means for improving apparent resolution of television, 11478
- Measles, rubella, general information, 14626
- Measure before you buy used clothes for your school boy or girl, 7284
- Measurements:
Aerospace measurement techniques, symposium, 6734
local, in turbulent flows through cross correlation of optical signals, 8462
meteorological, new methods, USSR studies, 11272
pacemaker of American economic growth, 7563
peak discharge at dams by indirect method, techniques, 9576
peak discharge of streams by—
indirect method at width contractions, 14176
indirect method, techniques, 11184
slope-area method, techniques, 11185
remote measuring systems, computer program determines performance efficiency, 2638
repeated design on experimental units in 2-way classification, analysis, 7348
results from full-scale measurements of midship bending stresses on 2 dry-cargo ships, 10076
vacuum and low pressure, bibliography and index supplement, 12984
velocities in air, evaluation of smoke-wire technique, 10293
see also subject of measurement.
- Measures, see Metric system—Weights and measures.

Measuring instruments:

Federal item identification guides for supply cataloging, supplements, 3286
system enables dimensional inspection of very large structures, 14422
web belt load measuring instrument has excellent stability, 14436
weighing and measuring devices, specifications, etc., replacement pages, 6914
see also Electronic measuring instruments.
Measuring quality of housing, appraisal of census statistics and methods, 13413
Measuring tools, *see* Measuring instruments.

Meat:

agricultural commodity grader (meat), examination announcement, discontinuance notice, 16076
canned chopped or luncheon, good choice for thrifty family, food value, use, recipes, 9351
commercial production, 11879
foreign agriculture circulars, 3345
freezing in home, 31
how to use USDA grades in buying, 5671
industry—
Argentina, 11099
Mexico, 8048
New Zealand, 11097
Uruguay, 11098
inspection act, amend—
hearings, 15011
reports, 16255, 17579
inspection, Federal, 1966 statistical summary, 6130
inspection procedures manual, 3537
inspection regulations of USDA, 3814, 6132
institutional purchase specification, approved by USDA portion-cut products, 7838, 12429
livestock and meat situation, 3517
livestock-meat economy, simulated inter-regional models, 12453
luncheon meats, what label means, 966
market news weekly summary and statistics, 3518
marketing and price information, Texas and Oklahoma, 13941
packaging and price marking in retail food stores, systems and equipment, 7276
processing plants, chemical compounds authorized for use under USDA inspection programs, lists, 10878, 16445
products, processing, new technological methods, 6546
quality, effect of malnutrition of young cattle, 14765
quality products, expanding exports, report, 10794
statistics—
1965 supplement, 4143
1966 supplement, 13248
see also Packing industry.

Meat animals, *see* Livestock.

Mechanical absorption of acoustic oscillations in simulated rocket combustion chambers, 5264

Mechanical designs, *see* Designs (industrial).

Mechanical engineering:

Navy design manual, changes, 2765
research of TVA Engineering Laboratory, 17260

Mechanical fans:

airborne lightweight high-efficiency radial fan, aerodynamic testing, 10292
current industrial reports, 3170, 12070
industrial plant equipment handbook, 4674
lift and lift-cruise, aerodynamic characteristics of V/STOL transport model, 14484
lightweight structural design techniques for lightweight fans, 117

Mechanical impedance and mobility concepts, 5353

Mechanical mobility, concepts and mechanical impedance, 5353

Mechanical power transmission, *see* Power transmission.

Mechanical samplers, *see* Samplers.

Mechanics, dissertations on, defended at Ukrainian Institutes in 1965, 1302

Mechanics (persons):

apprentices, examination announcement, amdt., 203
aviation, inspection authorization, handbook and study guide, 14013
aviation structural mechanics—
H 3 & 2, Navy training course, 18105
S 1 & C, Navy training course, 17078
cash register repairmen, apprenticeship and training policy, 7373
construction mechanics 3 & 2, Navy training course, 7013
machinery repairman—
1 & C, supplement, 11658
3 & 2, supplement, 11658
schools, Federal aviation regulations, 11002

Mechanics (science):

penetration of high speed particles, multi-variable analysis, 6708
see also Quantum mechanics
Mechanism of conditioned reflexes and memory, USSR, 5014
Mechanism of deuteron breakup by 42-Mev alpha particles, 18032
Mechanism of mass transfer through liquid interface, 8215
Mechanism of memory, USSR, 8268
Mechanisms of superconductivity investigated by nuclear radiation, 9830

Mechanization:

AEC library, legislative information, 5790
base procurement mechanization, Air Force, 10211
technical research status surveyed in Hungary, 15415

Medals:

commemorative—
centennial of completion of 1st trans-continental railroad, report, 13822
Ellis Island designation as part of Statue of Liberty National Monument—
law, 394
report, 899
land bank system—
law, 397
report, 690
Navy Civil Engineers Corps 100th anniversary, law, 487
1,000th anniversary of founding of Poland, law, 361
Seabees 25th anniversary, law, 487
see also Decorations of honor—*also* names of medals, or persons to whom medals are to be presented.

Mediators, National Mediation Board, examination announcement, 14868

Medical advisory boards for driver licensing, 8638

Medical and Surgery Bureau, Navy, manual of Medical Department, change, 9752

Medical bulletin, Medicine and Surgery Dept., VA, 2962

Medical care:

aeromedical evacuation, patients' views of patient care, 17350
aged and chronically ill, charges for care in institutions, 17169

aged persons—

costs and delivery of health services to older Americans, hearings, 17633
health insurance, extend deadline for enrollment—
law, 16142
report, 16264
health insurance, hospital manual, 10084
health insurance, initial operating data, 5515

Medical care—Continued

aged persons—continued
 social security amendments of 1967—
 hearings, 15154, 16409
 reports, 14953, 14964
 summary, 15053
Air Force manual, 10221
 assistance under social security act,
 amend title 19, report, 697
 Canada, legislation, 5516
 chart book, National Conference on Medi-
 cal Costs, 14185
 comprehensive care services in your com-
 munity, 5426
 coordinated home care programs—
 development and administration, guide,
 5432
 1964 survey, 8625
 disabled workers, data on utilization,
 17202
District of Columbia—
 participation under title 19 of social
 security act, report, 13645
 under 1965 social security amendments,
 enable to participate in benefits,
 hearings, 10645
 extended care facilities, providers of ser-
 vices under health insurance for the
 aged, directory, 15738
 facilities available to Federal employees
 injured in performance of duty, 16514
 facility projects approved for Federal aid
 under Hill-Burton program, register,
 3398, 8633, 18169
 financing and utilization, source book of
 data through 1961, selected revisions,
 15685
 Foreign Service, etc., benefits in high-risk
 situations, report, 10768
 home care training center in United
 States, 1578
 home care, what it is, 5436
 home health agencies, providers of ser-
 vices under health insurance for the
 aged, directory, 11793
 home health care, planning, summary of
 development, following medicare and
 medicaid, 10057
 home health services in your community,
 11735
 hospitals, providers of services under
 health insurance for the aged, directory,
 11794
 how much does medicare pay for outpa-
 tient hospital services, 11797
 inquiry into alleged improper practices in
 providing services to old-age assistance
 recipients in Cleveland, Ohio area, GAO
 report, 8150
 insurance contract, recovery of excess
 funds accumulated, GAO review, 8145
 medical assistance, medicaid, questions
 and answers, 10972
 medical self-help training, if disaster
 strikes and there is no doctor, course,
 announcement, 11738
 medical service—
 duration of illness, Air Force pamph-
 let, 8858
 field sanitation team training, Army
 pamphlet, 10264
 medical services and facilities on board
 spacecraft, USSR study, 8245
 medicare—
 almost 65? important information,
 5509-10, 8688
 and extended care facility, what it
 means to you, 7125
 extend program, message from the
 President, 12198
 general information, 5506
 health insurance statistics, current sur-
 vey report (series), 17197
 hospital and medical insurance for peo-
 ple 65 or over, 5511

Medical care—Continued

medicare—continued
 how it helps when entering hospital,
 5513
 insurance claims, methods of payment,
 7127
 payments to agency providing home
 health benefits, 7128
 program, extended care benefits after
 hospitalization, 2865, 11796
 provider costs, reimbursement princi-
 ples, 5503
 railroad retirement beneficiaries who re-
 ceive social security payments, 15739
 services by hospital-based physician, re-
 imbursement principles, 7119
 supplementary medical insurance, serv-
 ices used, survey, 17197
 your 1st \$50 of medical expenses meets
 calendar-year deductible, 7126
 your health insurance, facts, 18209
 military medical benefits act of 1966—
 law, 365
 reports, 664, 14941
 needs for services revealed by Operation
 Medicare Alert, 937
 new title 19, medical assistance pro-
 gram, brief summary, 2228
 paid through public assistance to vendors,
 utilization, 10974
 physician speaks on home care, 7082
 prices, report to the President, 8194A
 provision by Public Health Service, legal
 aspects, 1582
 public assistance—
 medical services on emergency basis to
 any individual to prevent loss of
 life due to lack of medical atten-
 tion—
 hearing, 17587
 report, 15080
 vendor payments—
 by program and source of funds, 9436
 by type of service, 10971
 recipients, etc., 13997, 16542
 self-help training course, family guide,
 emergency health care, reference guide
 for students, 4378
 self-help training, Danny Thomas in dra-
 matic motion picture, announcement,
 13077
 training homemaker-home health aide in
 personal care, 15714
 uniformed services health benefits pro-
 gram, 13287
 USSR, measures to improve medical ser-
 vice of population, 6538
 VA nursing home care programs, opera-
 tion hearings, 15050
 veterans—
 grants-in-aid, agreement with Philip-
 pines, 14685
 history of Veterans' Administration
 medical program, 12318
 veterans' views on care in VA hospitals,
 1967 survey, 10683
 Veterans Administration program, oper-
 ations, 9173
 see also Health insurance.
Medical certificates:
 physicians' medical certification, death,
 fetal death, and birth, handbook, 13088
 reviewing and acting on, FPM manual
 supplement, 3299.
Medical Costs, National Conference on, see
National Conference on Medical Costs.
Medical Department, Army, neuropsychiatry
in World War II, 13311
Medical Department, Navy:
 manual, changes, 1395, 5083-94, 6630,
 9752, 11345, 14315-316
 support to Fleet Marine Force, 5092
 Medical education, see Medicine.
 Medical examinations, see Physical exami-
 nations.

- Medical examiners, handbook on death and fetal death registration, 15695.
- Medical facilities, *see* Hospitals.
- Medical industry, USSR medical industry (periodical), translations, 4023
- Medical institutions, *see* Clinics—Hospitals.
- Medical instruments and apparatus: electronics, new devices developed, 1264
- Federal item identification guides for supply cataloging, supplements, 3290.
- USSR—
description, 12722
new medical apparatus, 17877
- Medical insurance, *see* Health insurance.
- Medical Insurance Trust Fund, Federal Supplementary, *see* Board of Trustees of Federal Supplementary Medical Insurance Trust Fund.
- Medical journals, index medicus, cumulated, 6940
- Medical laboratory technicians, medical laboratory assistant, suggested guide for training program, 4714
- Medical literature, translations, bibliography (periodical), 3057
- Medical Museum of Armed Forces Institute of Pathology:
hall of medicine, general information, 2153
leaflets, 2153, 12442
- Medical Nutrition Laboratory, *see* Army Medical Research and Nutrition Laboratory.
- Medical occupations, careers as medical auxiliaries, 17455
- Medical officers, naval, residencies and specialty courses, 1396
see also Physicians.
- Medical practice, *see* Medicine.
- Medical records:
information on chronic conditions compared with interview data, 11762
organizing health record systems, guide for nursing homes and homes for aged, 7072
- Medical research, *see* Medicine.
- Medical restraint of trade act, hearings, 17661
- Medical schools, USSR, medical training improvements sought 15407
- Medical service, *see* Medical care.
- Medical supplies:
central sterile supply section of packaged disaster hospital, organization, 1577
Federal item identification guides for supply cataloging, supplements, 3290
hospital central services, manual, 1579
treatment tray and sets prepared in hospital, cards, 1592
- Medical technicians, USSR, medical worker's day celebration, 2476
- Medical technologists:
examination announcement, 10412
grants for training program improvement law, 463
- Medical zoology, *see* Zoology.
- Medicare, *see* Medical care.
- Medicated man (address), 14075
- Medicine:
Academy of Medical Sciences, USSR—
nominations, 5022
pediatrics session, report, 2461
aeromedical reviews, 4174, 7340, 11953, 14769
aerospace—
bibliographies, 1442, 2620, 5197-98, 6739, 8444-45, 11434, 12883, 14408, 15519, 16934-935
cumulative index, 8443
central nervous system functions, effect of spaceflight factors, 12973
contaminants produced by man in space cabin simulator, 11955
trace contaminants contained in samples from closed environment at 258 mm.hg, analysis, 10234
- Medicine—Continued
associate training programs, medical and biological sciences, NIH, 5420
aviation medical education series, 5801, 8920-21, 14811
aviation medical report AM series, 136-141, 1820-23, 4248-55, 5802-4, 7446-47, 10320-322, 13351, 14812, 15979-981, 17410-414
bibliographies—
medical reviews, 15597
medical translations, annual index, 14526
classification, Library of Congress, 5088
clinical medicine, USSR periodical, translations, 1347
clinical observations of man in oxygen-bellum atmosphere, 90
compartments, pools, and spaces in medical physiology, symposium, 15959
compressed air, diving and submarine medicine, bibliographical sourcebook, 6628-29, 14314
control sciences applied, USSR studies, 1322
dollars for medical research, 1947-66, sources and performers, 10062
education of health service personnel—
clarify responsibility of VA, law, 489
Public law 89-785, lack of implementation by VA hearings, 16344
electronics application, USSR research, 4970
experimental and clinical, trace elements, USSR book review, 1344
failings noted of Gor'ky Medical Institute, USSR, 4936
film reference guide, 13073
future international meetings, world list, 4073
group practice facilities, financial assistance for constructing and equipment, law, 465
summary, section-by-section analysis, legislative history, and conference report, 725
group practice facilities program, information guide and instruction handbook, 14024
hall of medicine, general information, 2153
index medicus, 3407
cumulated, 6940
internal, residency training, Veterans Administration Center, Dayton, Ohio, 15818
Khabarovsk Medical Institute, recent developments, 2450
medical advertising, compendium, 14074
medical and biological problems of spaceflights, 1315
medical benefits from space research, 17948
medical bulletin, 2962
medical cybernetics, introduction, 14503
medical education problems in Tadzhikistan, 2474
medical educational extension service program, USSR review, 2433
medical ethics and research, symposium, 18247
medical news letter, Medical and Surgery Bureau, 3547
medical research—
development in Belorussian SSR, 12731
program 1966, Veterans Administration, synopsis, 2963
reports from Priroda, 16778
Veterans' Administration, reports, 4563, 7218
medical science in Georgian SSR, 1155
medical subject headings, 3407
cumulated, 6940
medical training costs too much, 10934
medical training in Veterans Administration, 5782
medicated man, use and abuse of drugs (address), 14075

Medicine—Continued

- Navy, statistics, quarterly, 3904
- notes for medical catalogers (periodical), 3639
- notes on biometry in medical research, 17284
- preventive, residency training under public health traineeship, program, 7090
- program, AEC authorizing legislation, 1968, hearings, 10491
- regional medical programs, guidelines, 13076
- rehabilitation counselor, survey, medicine and medical practice for, instructor's manual, 10128
- research highlights, NIH work, 10061
- resources for medical research, report, 10062
- School of Aerospace Medicine, technical reports, 65-92, 1730-44, 4175-87, 5706-15, 5868-69, 7341-70, 10231-244, 11954-967, 13269-272, 14770-752, 15894-901, 17346-363
- scientific information needed, USSR study, 15413
- simulation, USSR study, 15356
- space—
 - clinical, problems from hazards of space operations, 14399
 - contaminants in closed ecologic atmosphere, analysis, 7350
 - programmed physiological measurements, 6533
 - Soviet conference, reports, 1228
 - trace constituents of closed ecologic system, delineation program, 7369
- trace elements, USSR studies, 6542
- tracer theory for analysis of whole-system retention data, turnover compartmentalization, 12012
- USSR—
 - Academy of Medical Sciences, vestnik (periodical), 4036
 - better coordination of research and practice urged, 6500
 - expansion in medical research needed, 1289
 - medical history reviewed, 14227
 - medical organizations, news, 1226
 - medical research praised and criticized, 6567
 - prospects and achievements, 15360
 - translations, 14271
- see also Veterinary medicine.
- Medicine and Surgery Department, Veterans Administration:
 - clarify, improve, and add programs, law, 489
 - medical bulletin, 2962
 - medical education, etc., Public law 89-785, lack of implementation, hearings, 16344
- Medicines:
 - and other pharmaceutical preparations dispensed by pharmacies without physician's prescription, Czechoslovakian list, 12673
 - cost and acquisition of prescribed and non-prescribed medicines, July 1964-June 1965, United States, 5467
 - medicinal chemicals, synthetic organic production and sales, 18238
- see also Drugs.
- Medico-moral ethics for hospital ministry, 15817
- Medico-physiological incidences on pilot for flight patterns typical of VTOL, 11563
- Mediterranean Sea:
 - contributions to hydrology of Africa and Mediterranean region (series), 11189
 - expedition on board USSR research vessel, Akademik S. Vavilov, results, 15352
 - lights and fog signals, list, changes, 1538, 5333, 11643, 18100
 - notice to mariners, 3641
 - radio navigational aids, changes, 5336, 9974, 11646, 14580, 18102

Mediterranean Sea—Continued

- radio weather aids, 1540, 9975, 14581
- sailing directions, changes, 11635, 15627-628, 17072, 18097
- tide tables, 12120
- Meehan, Eugene J., introductory science, USAFI exercise book, 7845
- Meeker, J. I., lateral-directional handling qualities of piloted re-entry vehicles, 12860
- Meet Americans at home, 10126
- Meeting challenge of later years, 8802
- Meetings, see Conferences, congresses, etc.
- Meetings that move, guide to successful meetings on civil defense, 14843, 16052, 17451
- Meeves, H.C., mineral industry of Wyoming, 2566
- Megonnell, William H., address, Aug. 26, 1966, 1580
- Mehr, Stanley, prune industry of France, 12565
- Mehren, George L.:
 - addresses—
 - Sept. 19, 1966, 30
 - July 10, 1967, 13210
 - Aug. 15, 1967, 15844
- Meinke, W. Wayne, trace characterization, chemical and physical, 12985
- Meirovitch, Leonard:
 - attitude stability of spinning passive orbiting satellite, 6709
 - dynamic characteristics of variable-mass slender elastic body under high accelerations, 5188
- Meiry, Jacob L., vestibular system and human dynamic space orientation, 1428
- Meister, David, evaluation of user reactions to prototype on-line information retrieval system, 17945
- Meitner, Ilse, presentation of Enrico Fermi award to (remarks), 134
- Melanotus, see Beetles.
- Melder, Keith, American parade of politics, 10078
- Melfi, Leonard T., variations in gage constant as function of emission current in unshielded open-end grid Bayard-Alpert ionization gage, 6863
- Melichar, Emanuel, bank financing of agriculture, 12530
- Mellin, Frank L. Jr., relief, 13572, 17494
- Mellor, Malcolm, creep of snow and ice, 7380
- Melnick, Edward L., quantitative measures for analysis of fertility series, 7498
- Melnick, Frank, analysis of U.S. exports of scientific industrial and technical instruments, 1858-66, 15983
- Melochia, contribution from National Herbarium, 14532
- Melon flies, see Flies.
- Melons:
 - fresh market, acreage, production, etc., 1959-65 revised estimates, 14762
 - spring, acreage market guide, 4661
 - summer and fall, acreage marketing guide, 7828
- Melsa, James L., digital computer program for analysis and design of state variable feedback systems, 14397
- Melsheimer, E.S.:
 - outlet structure for Eau Galle reservoir, Eau Galle River, Wis., 10960
 - spillway, etc., Holt Lock and Dam, 4744
- Melting, ice, problem with natural convection, study, 17376
- Melton, C. E., exposure of men to intermittent photic stimulation under simulated IFR conditions, 5802
- Melton, Carlton E., Jr., pilot vision considerations, effect on age on binocular fusion time, 4253
- Member banks, see Federal reserve member banks.

Membranes:

- built-up, thermal-shock resistance, 15584
- commercial potentials of semipermeable membranes, report, 6737
- desalination by reverse osmosis, study, 6448
- for use in desalination by reverse osmosis, permeability requirements, 15331
- inorganic ion-exchange, application to electrodialysis, 8214
- ion exchange, characteristics, USSR study, 9644
- model, ionic transport in biological systems, studies, 6443
- polymer structure and ionic transport of polystyrenesulfonate model, 9592
- reverse osmosis—
 - membranes containing graphite oxide, 6444
 - new polymer systems, research and development, 8213
 - ultrathin, fabrication and evaluation, 12641
- transport of electrolytes through membrane systems, 15332

Memoirs of geography (Chinese periodical): translations, 1312

Memorandums, see names of departments, etc., issuing memorandums.

Memorial services:

- Baldwin, John E., 5967
- Fogarty, John E., 9030
- Herter, Christian A., 16152
- print as House document, report, 12242
- McNamara, Patrick V., 5968
- Thomas, Albert, 246

Memorials, see National monuments and memorials—also names of persons to whom memorials are erected.

Memory:

- effect of actinomycin 2703 on stabilization of conditioned reflexes and transition from short-term to long-term memory, 1338
- human—
 - during natural sleep, input and consolidation of information, USSR book excerpts, 15362
 - information input and fixation during natural sleep, USSR study, 1285
- mechanism of conditioned reflexes and memory, USSR studies, 5014
- mechanism of memory, USSR study, 8268
- pitch, masked DL, 11348

Memory devices:

- circuits, bipolar current driver, 2627
- memory word line configuration allows high storage density, 6780
- MOFSET analog memory circuit achieves long duration signal storage, 6766
- non-destructive fluidic storage control device, research, 11409
- one-count memory circuit prevents machine mode interaction, 6697
- present and future state of the art in guidance computer memories, 18049

Memphis, Tenn.:

- area wage survey, 9746
- employment, administration of justice, and health services, civil rights report, 14851
- Mississippi River and tributaries in district, stages and discharges, 12476
- National Advisory Commission on Rural Poverty, hearings, 17126
- population, special censuses, 16021

Memphis State University:

- land transfer to—
 - hearing, 9326
 - law, 12174
 - reports, 7709, 12365

Men:

- adult, body volume, 14780
- and milestones in American agriculture, 2039

Men—Continued

- bio-thermal responses to varied work programs in men kept thermally neutral by water cooled clothing, 8423
- laboratory profile of 283 healthy adult males, 7347
- potential supply and replacement of rural males of labor force age, 1721
- Mena, Cesar A., relief, 9205, 13490, 13593
- Menard County, Tex., soil survey report, 8701
- Mendel, J. M., applications of artificial intelligence techniques to spacecraft control problem, 12854
- Mendel, Joseph J., forestry accomplishments in southeastern Ohio under U.S. agricultural conservation program, 14135
- Mendell, J. S., search for plasma oscillations stimulated by pre-bunched electron beam, etc., 12870
- Mendelssohn, Rudolph C., BLS information system, search statement manual, 15436
- Mendez, Alfredo F., relief, 13620, 17500
- Mendoza, Jose A. G., relief, 270
- Menees, Gene P., pressures and forces on flare-stabilized bodies in air and in mixture of 85-percent CO₂ and 15-percent air, 17011
- Menis, Oscar, analytical coordination chemistry, titrimetry, gravimetry, etc., 14518
- Menominee Range, geology of iron-bearing district, Dickinson County, Mich., and Florence and Marinette Counties, Wis., 6398
- Mental health:**
 - amendments of 1967—
 - hearings, 9163
 - law, 12173
 - reports, 9136, 10599, 12366
 - benefits of social security amendments of 1965, 5447
 - community mental health centers, bold new approach, 13070
 - film announcement, 17138
 - community programs, psychiatric facilities, trends in usage, 5465
 - directory, 2828
 - evaluation, bibliographic index, 5421
 - facilities, publications, bibliography, 5459
 - manpower utilization, 2829
 - mental health digest (periodical), 15696
 - mental health manpower, current statistical and activities report, 2829
 - nursing, institutions offering trainee stipends for graduate and undergraduate education, 11760
 - occupational mental health notes, 17154
 - pediatric hospitals, planning for, workshop proceedings, summary, 11758
 - personnel supported under National Institute of Mental Health training grants, current status, 2839
 - program reports, 10054
 - psychologists in mental health, 1964 survey, 5458
 - religion and mental health, 1960-64, bibliography, 11719
 - research grant awards—
 - 1948-63, listing by State, etc., 13083
 - Public Health Service, 1966 funds, 14630
 - research grant program, 1965, descriptive data sourcebook, 15707
 - selected films, guide, 14636
 - State and territorial authorities, conference with Surgeon General, proceedings, 5457
 - State planning, 1966 final reports, 17141
 - State salary ranges, 4898, 11194
 - statistics, current reports, 15697
 - support programs of NIMH, 18174
 - trainee stipends, available, etc., psychiatric nurses, 10058
 - training grant awards, Public Health Service, 1966 funds, 14631
 - training grant program, 1965, statistical sourcebook, 7076
- Mental health centers, *see* Mental institutions.

Mental illness, troubled employees, recognizing and supervising, guide, 14871

Mental institutions:

- community mental health centers—
- bold new approach, 13070
- film announcement, 17138
- construction act, extension, etc.—
- hearings, 9163
- law, 12173
- reports, 9136, 10599, 12366
- construction, laws compilation, 4547
- consultation and education, 1567
- essential services—
- emergency services, 5429
- inpatient services, 11727
- outpatient services, 11728
- partial hospitalization, 5430
- patients, 1587, 5454-55, 17157
- private—
- mental hospitals and general hospitals with psychiatric facilities, 5455
- mentally retarded patients, 1587
- psychiatric facilities usage for community mental health programs and related research, 5465
- public, mentally retarded patients, 5454, 17157
- State and county mental hospitals—
- patients, 11749
- provisional patient movement and administrative data, 15697

see also Hospitals.

Mental retardation:

- abstracts (periodical), 3550
- amendments of 1967—
- hearing, 17666
- reports, 14971, 16246
- basic introduction and overview of related problems, 1134
- campaign to combat, Nation's progress and remaining great needs, report, 15665
- casefinding, developmental approach, 10403
- chance to help, story of SWEAT, 7060
- conference, Hill-Burton and mental retardation construction authorities with Surgeon General, 1966 proceedings, 15692
- facilities and community mental health centers construction act of 1963, amend, hearing, 17666
- facilities, construction, laws, compilation, 4547
- facilities, extend, etc., laws—
- hearings, 10659, 17666
- reports, 14971, 16246
- Health, Education, and Welfare Department activities, 6414
- mental retardation report (periodical), 3551
- publications, Health, Education, and Welfare Department, 4896

Mental Retardation, President's Committee on, see President's Committee on Mental Retardation.

Mental tests:

- cybernetic testing, 8864
- geographic and astronomic distance responses by Air Force Officers, 4174
- performance tests for operator-skills research, 1821
- psychomotor performance, predicting 4-hour levels from initial half hour, MOL study, 17355

Mentally handicapped, jobs and mentally restored, memo to psychiatrists, 5051

Mentally ill:

- antipsychotic drugs, uses in psychiatry, etc., 2962
- community care, annotated bibliography, 1590
- mentally restored, interviewing guides for specific disabilities, 10944

Mentally ill—Continued

- services of community mental health centers—
- consultation and education, 1567
- emergency services, 5429
- inpatient services, 11727
- outpatient services, 11728
- partial hospitalization, 5430
- State and county mental hospitals, patients, 11749
- VISTA serves mentally handicapped, 6168

Mentally retarded:

- children—
- clinical programs, listing, 5903
- military medical benefits of 1966—
- law, 365
- report, 664
- of deprivation, changing course of familial retardation, 8966
- community facilities, progress report, 14629
- excerpts from comments to President's Committee on Mental Retardation, 7048
- facilities for, hospital and medical facilities series, 14629
- facilities, publications, bibliography, 5459
- Federal employment, 1560
- 2d look, progress report, 16083
- help for the mentally retarded, 13174
- PCMR progress, 2793
- private institution, patients, 1587
- public institutions, patients, 5454, 17157
- spouses and children, of active members of Armed Forces, use of private facilities, report, 14941
- university facilities for diagnosis, treatment, etc., construction, Public Health Service, grants and awards, 11755
- VISTA serves mentally handicapped, 6168
- voluntary admission of patients to institution providing care, education, and treatment, report, 7703

Menus, sample menus and food list for week based on USDA, economy family food plan, 10157

Menus for space flight:

- bite-size feeding to man in oxygen-helium atmosphere, nutritional evaluation, etc., 82-83
- space flight feeding systems, characteristics, concept for improvement, and public health implications, 15898

Menzel, Horst F., parametric study of one mzd brackish water reverse osmosis plant (spiral module concept), 9590

Meramec River:

- basin, engineer report—
- departmental edition, 2213
- document edition, 2009

Mercaptoamines, pharmacology and clinical use, USSR study, 8242

Merchandise, see Commercial products.

Merchandising, contractor operated messing, new procedures adopted to improve management at Kwajalein Missile Test Site, Defense Dept. GAO report, 14155

Merchant, J. H., preserving, disinfecting, and sterilizing, classification definitions, 18119

Merchant, John, oculometer, 14376

Merchant marine:

- act of 1920, amend—
- hearing, 13851
- report, 15107
- act of 1936, amend—
- hearing 7753, 16335
- reports, 15009, 16278

American—

- regulation and promotion (address), 2246
- role of maritime industry in rehabilitating (remarks), 17907
- cargo promotion program (remarks), 6627
- changes in ownership, etc., of vessels, monthly report, 3581

- Merchant marine—Continued
 concern of Government in maritime matters (address), 7971-72
 damn the torpedoes (remarks), 17908
 fleet, replacement problems, hearings, 2109
 graduation exercises at Academy (remarks), 6626
 history, brief, 11344
 importer, and U.S. merchant marine, 12786
 legislation, hearings, 4552
 maritime matters—
 deployment of USS Cascade to Malta, agreement, 8745
 deployment of USS Shenandoah to Malta, agreement, 2904
 liability during private operation of N.S. Savannah, agreement with—China, Republic, 15799
 Greece, 11856
 visit of N.S. Savannah to Hong Kong, agreement, 15795
 maritime program, proposed, 1968, hearings, 12307
 maritime safety digest (periodical), shipyards, 3542
 United States, significant industry (remarks), 16579
see also Sailors—Shipping—Ships.
- Merchant Marine and Fisheries Committee, House:
 activities, 89th Congress, 2d session, 6040
 calendar, 3481
 committee prints, 4550-51, 6040
 hearings, 743-746, 4552, 7752-53, 9164, 19663-665, 12307, 15045, 16335-337
 investigations and studies—
 authorization, report, 6013
 expenses, report, 7674
 reports, 624, 669, 671, 9108, 12250-251, 12253-254, 12256, 12265-266, 15008-9, 16234
- Merchant Marine Council, proceedings, 3773, 12125
- Merchant Marine Veterans Association, incorporation, provide, 7646
- Merchant seamen, *see* Sailors.
- Merchant ships, *see* Ships.
- Merchant vessels, *see* Shipbuilding—Ships.
- Mercury:
 condensing, flow in 0- and 1-G environments, photographic study, 12939
 distribution—
 Cripple Creek district, Colo., 9571
 Ely mining district, White Pine County, Nev., 9564
 droplet parameters including effects of gravity, photographic study, 1509
 electron bombardment ion thruster—
 accelerator grid durability tests, 14462
 cathode durability tests, 12960
 oxide-cathode durability, 6867
 mineral industry survey, quarterly, 3552
 nonwetting, condensing flow—
 in horizontal, sodium-potassium-cooled tubes, heat-transfer, experimental investigation, 11541
 in sodium-potassium-cooled, tapered tube, pressure characteristics, 1498
 thermodynamic properties of liquid metal solutions in sodium-mercury system, 9910
 White Mountain deposits, Kiskakwim River basin, Alaska, investigations, 6677
- Mercury (planet):
 manned and unmanned missions to, minimal energy ballistic trajectories, 9886
- Mercury Project, *see* Project Mercury (man-in-space program).
- Mercury vapor, detector for geochemical prospecting, 9568
- Mergers, *see* Business consolidations.
- Merit systems, State and local systems, extend to additional programs financed by Federal funds, hearings, 12409
- Merited grade versus merited pay rankings of airman jobs, 7339
- Merriam, Ida C., social security benefits and poverty, 7132
- Merrill, Carl C., electrorefining yttrium, 15482
- Merrill, Robert H., three-component borehole deformation gage for determining stresses in rock, 15481
- Merrimac River:
 basin, engineer report—
 departmental edition, 4734
 document edition, 4569
- Merritt, James H.:
 inhibition of aromatic L-amino acid decarboxylase by decaborane, 14775
 reversal of decaborane-mediated norepinephrine depletion by methylene blue, 1730
- Mertens, Henry W., homogeneous field for light adaptation, 4255
- Mertens, Ruth A., adaptation to vestibular disorientation, responses to angular acceleration, etc., 10322
- Mertes, John E., store location, bibliography, 1600
- Mesa, Ariz., population, special census, 10369
- Mesa Verde National Park, general information, 5317
- Mesavage, Clement, random integer dispenser, 14116
- Mesometeorological research & development prospectus, 9433
- Mesons, stopping power and range tables, 5192
- Mesosphere, temperature, pressure, density, and wind measurements, 17012
- Mesozoic era, pelecypods *Otapiria* Marwick and *Lupherella* Implay in U.S., 8175
- Message from President's Committee on Mental Retardation, 1560, 5407, 7047-48
- Message retrieval systems, *see* Information storage and retrieval systems.
- Messengers, examination announcement, 8995
- Messierie, Robert L., variable turbine geometry for small gas turbine engines, 11996
- Messes:
 ashore, Navy manual, 9977
 contractor operated messing, new procedures adopted to improve management at Kwajalein Missile Test Site, Defense Dept., GAO report, 14155
- Messler, AIC 79 B, lunar chart, 7333
- Mestas, Jorge, relief, 13747
- Metabolic rate and longevity of *Drosophila*, 9923, 9925
- Metabolism:
 acute starvation body composition changes, 7412
 acute starvation in normal humans—
 performance and cardiovascular evaluation function, 121
 ten days, effects, 122
 bio-thermal responses to varied work programs in men kept thermally neutral by water cooled clothing, 8423
 effects of prolonged bed rest, their modification by simulated altitude, 14777
 energy, of rats born and raised in low-pressure pure oxygen environment, 5709
 human body, disturbances, role of magnesium, USSR current concepts, 2446
 metabolic patterns in 7-10-year-old girls in selected Southern States, basic data, 13227
 microelement, in myopathy patients, USSR study, 2447
 nitrogen in brain of rats under impulse accelerations, USSR study, 1167
 nucleic acids, phosphoproteins and phospholipids of liver in experimental atherosclerosis, USSR study, 1275
 seasonal changes among endocrine-metabolic indices of men residing in subtropical climate, 7358
- Metal boat permits fabrication of hermetically sealed splices in metal sheathed instrumentation cables, 6700
- Metal containers, *see* Containers.

Metal cutting:
explosive cutting in simulated space environments, 8466
tool industry 1961-66, shipments, 15984
tools, current industrial reports, 12075

Metal forming:
high-energy-rate magnetohydraulic metal forming system, 11463
hot-drape forming of large torus sections, development of technology, 17963

Metal halides, vapor pressure, $\text{SnCl}_2\text{-ZnCl}_2$ binary system, 16864

Metal mines and mining:
Federal metal and nonmetallic mine safety act, report, 647
geometry of metal distribution in 5 veins of Fresnillo mine, Zacatecas, Mexico, 9771

Metal oxides, infrared spectra, 2723

Metal plating, see Plating.

Metal shapes, see Shapes (metal).

Metal sheeting, see Sheet metal.

Metal tube can be folded for compact storage, is self-erecting, 1452

Metallic films:
deposition of thin films by ion plating on surfaces having various configurations, 1510
thin films, 2d colloquium on, June 27-July 2, 1967, Budapest, Hungary, 12740

Metallographic holding fixture permits polishing of soft metals on vibratory lapping machine, 5155

Metallography, see names of metals.

Metallographic engineers, Soviet, memoirs, 9668

Metallogists, examination announcement, 4388

Metalurgy:
Communist Chinese abstracts, 3122
East European scientific abstracts, 3223
fundamental and applied research and development, 8907
Hawaiian ferruginous bauxites, metallurgical testing, report, 11374
metallurgical characteristics of high strength structural materials, 5363, 10014
metallurgical variables as possible factors controlling radiation sensitivity of structural steels, initial evaluations, 5357

Mines Bureau, Albany Metallurgy Research Center, quarterly progress reports, 1807, 5795

patent classification definitions, 8604

powder, hydrostatic, porous mandrels provide uniform deformation, 12916

USSR industrial development, translations, 4020

USSR scientific abstracts, 4030

zinc, iron contaminated, refining by filtration and centrifugation, 5125

Metals:
analysis procedures, 9985
composites of porous metal and solid lubricants increase bearing life, 6742
composition determined by thermoelectric metal comparator, 8387
consumption and stocks at brass and wire mills, mineral industry survey, monthly, 3062
copper mosses as indicators of metal concentrations, 4886
corrosion in tropical environments, 9993
critical phenomena in ferro- and anti-ferromagnets, 1521
density measurement in extreme environments, radiation counting technique, 17922
dissimilar, reliable diffusion bonding ensured by silver plating, 11461
domestic reserves and potential sources, evaluation, 8340
equilibrium carbonate-bicarbonate research, USSR study, 1250

Metals—Continued

fatigue zones identified by polarized light photography, 9846
filtered and unfiltered molten, sampling techniques, 9795
foundry, classification definitions, 11684
friction properties in single-crystal and polycrystalline form, effect of recrystallization, 15574
galvanomagnetic effects, exact semiclassical theory, 15581
glowing metals, theory of surface ionization, 11568
heat-treatment of metal parts facilitated by sand embedment, 6779
high temperature coating, USSR study, 9677

industries—
employment and injuries, minerals yearbook chapter, 8338
review, minerals yearbook chapter, 6689
technologic trends, minerals yearbook chapter, 5136
infrared reflectances at cryogenic temperatures, etc., 6922

Intergranular metal phase increases thermal shock resistance of ceramic coating, 6811

Joining, NASA contributions, 6738

liquid—
AEC-NASA information meeting, 125
heat exchanger, thermal conductivity of layer adjacent to wall, USSR study, 11249
turbulent heat transfer in channels with heat sources in fluid, theoretical investigation, 1499

Liquid-metal flow, heat-transfer analysis in rectangular channels with heat sources in fluid, 6883

Liquid-metal quality measurement techniques, analysis, 12951

metal cutting tool industry, 1961-66, shipments, 15984

metal fabricating technology, compilation, 11429

metal parts and components, nondestructive testing, handbooks describing eddy current techniques used, announcement, 17985

metal treatment processes, USSR study, 12746

metallic materials and elements for aerospace vehicle structures, military handbook, 7860

change, 9370

metallic mineral industries, injury experience, 11355

metals and metal products, trade and tariff information, summaries, 18237

micrometeorite craters in substrates, observation utilizing electron micrographic replica methods, 9815

minerals yearbook, 1965—
departmental edition, 9761
document edition, 9049

mining, census of mineral industries, 1963 industry statistics, 8934

new metals and metal-ceramic composites, 5194

noble, in hydrocarbon synthesis, 12827

nonferrous metals, identification symbols, Communist China, 6547

oxide film on metal substrate reduced to form metal-oxide-metal layer structure, 12841

refractory—
cold drawing, copper-acrylic enamel serves as lubricant, 5140
electrodeposition of thick coatings of platinum and palladium from aqueous electrolytes, 16861
welding, bonding, and sealing by vapor deposition, 14432

refractory-metal matrices, fiberizing of oxides, 9900

INDEX 1967

Metals—Continued
 scrap, temporary suspension of duties continue—
 law, 12180
 reports, 7730, 13801
 soft, polishing on vibratory lapping machine with metallographic holding machine, 5155
 solubility in liquid zinc, data compiled, 12844
 trace levels of metallic corrosion determined by emission spectrography, 6850
see also Strategic materials—also names of articles manufactured from metal—also names of metals.

Metalwork:
 cooling-lubricating fluids, Hungarian research results in developments, 14232
 high-velocity metalworking, survey, 11428
 selected metalworking operations, 1963
 census of manufactures, 4278

Metalworking machinery:
 current industrial reports, 3170
 Federal item identification guides for supply cataloging, supplements, 3286
 USSR industrial development, translations, 4021

Metamorphic rocks, *see* Rocks.

Metastable state:
 atomic hydrogen, comparison of Gryzinski and Born cross sections, 9874
 two-phase flow, study, 6449

Metcalf, Z. P., general catalogue of Homoptera, 12

Metcalf, County, Ky., soil survey report, 7135

Meteorites, Allegan, Bur-Ghelusi and Cynthia, composition, 18089

Meteoroids, *see* Meteors.

Meteorological satellites, *see* Satellites.

Meteorological technicians, examination announcement, 13445

Meteorologists:
 examination announcement, 4387
 in service of industry, Hungarian study, 12717

Meteorologiya i gidrologiya (periodical):
 translations, 1278, 1339, 6520, 6564, 9642

Meteorology:
 agricultural meteorology, USSR studies, 4957
 air pollution study, 11739
 American Meteorological Society abstracts, 3636
 Army aviation applicable, technical manual, change, 7390
 aviation, problems, USSR studies, 1335
 balance equation, use in tropics, 9429
 data inputs, synthesis of 15 μ infrared horizon radiance profiles, 9801
 data report, meteorological rocket network firings (periodical), 1032, 3190
 Federal plan for meteorological services and supporting research, 9431
 horizon radiance profile variations over range of meteorological, geographical, and seasonal conditions, 8418
 Hungarian Meteorological Society, 39th plenary session, 14220
 in Socialist countries, Hungary, translations, 15417
 Mars and Venus, summary of available knowledge, 11410
 measurements, new methods, USSR studies, 11272
 mesometeorological research & development prospectus, 9433
 meteorological data—
 collection and interpretation, USSR study, 12736
 tropical Atlantic Ocean, Equalant III, 8569
 meteorological factors, effects on agriculture, USSR studies, 4938
 meteorological research with rockets, agreement with Canada, 5548

Meteorology—Continued
 meteorological services of socialist countries of Europe, conference of directors, 1179
 meteorological servicing of railroad transportation, USSR, 1182
 Northern Hemisphere, Mar. 1964–Feb. 1965, derivation of data, 8417
 radar in meteorology, USSR study, 8260
 records documentation, 6227–28, 13990, 16536
 satellites—
 ESSA 3 television cloud photography catalog, 16536
 Project EOLE research, agreement with France, 2906
 Soviet scientists, papers, 4986
 TIROS IX television cloud photography, catalog, 6227
 TIROS X television cloud photography, catalog, 13990
 surface observations manual, 5592
 synoptics—
 USSR studies, 12692
 weekly analyses, 5-, 2-, and 0.4-MB, surfaces for 1964, data from Meteorological Rocket Network, 10968
 TIROS VII radiation data synoptic world weather analysis, 12922
 tropospheric radio duct meteorology at VHF and UHF in theory and as observed on trip around world, 1551

USSR—
 literature for 1965, list, 1174
 studies, 6564
see also Hydrometeorology.

Meteorology and hydrology (USSR periodical):
 translations, 1278, 1339, 6520, 6564, 8270, 9642, 12693, 12695, 15369, 16754, 16757

Meteors:
 artificial—
 spectrograms, photometry, 9902
 study as ablaters, 8480
 atmospheric trajectories of 413 precisely reduced photographic meteors, analysis, 18204
 ballistic limit of double-walled meteoroid bumper systems, 9893
 ionization probability of iron particles at meteoric velocities, 11406
 luminous efficiency, laboratory measurement, 11411
 meteoroid damage to filamentary structures, 16899
 meteoroid environment, near-earth, 1512
 meteoroid hazard, impact effects, analytical study, 12855
 polyethylene terephthalate capacitor-type meteoroid detector, effects of electron irradiation, 1491
 trajectories and processes, automatic reduction procedure for photographic data, 15510

Meters, *see* names and types of meters, or substance, etc., measured.

Methacrylates, poly (methyl methacrylate), photodegradation in solution, 5358

Methanes:
 coal dust and methane mixtures, equivalences and lower ignition limits, 9782
 high purity, calculation of heating value for use as reference material, 2743
 incandescence of hot gases to methane and coal dust, reduction by sodium chloride and sodium nitrate, 11383
 Methanol, stress-corrosion cracking of Ti-6Al-4V alloy in methanol, 6900
 Methemoglobin, production in vitro and in vivo, effect of monomethylhydrazine, 14773
 Methionine-pyridoxine and air-sickness, 77
 Method for predicting frictional loss in metal bellows and flexible hose, 9825D
 Method of observing and interpreting results of studying fields of radio broadcasting stations, 9625

Methodological reports, 1900-66, annotated bibliography, 10382
 Methodology, *see* subjects.
 Methods engineering, problems of science of production engineering, USSR study, 2432
 Methods for performance-testing of electromechanical pressure transducers, 6923
 Methyl bromides:
 description, etc., technical reference, 9741
 wheat fumigation, gravity-penetration, single-pass, and closed-recirculation methods, 15861
 Methyl methacrylate, *see* Methacrylates.
 Methylamine, 1,4 cyclohexanebis (methylamine), regenerative carbon dioxide absorbent, 8589
 Methylene blue, reversal of decaborane-mediated norepinephrine depletion in tissue, 1730
 Methylsiloxane, *see* Siloxanes.
 Metric system:
 ASTM metric practice guide, 6915
 micrometer measures of 256 double stars, 11628
 micrometer measures of 1164 double stars, 15623
 practicability of increasing use in United States, Secretary of Commerce to conduct investigation, report, 7668
 units of weight and measure, definitions and tables of equivalents, 9941
 Metropolitan areas, *see* Cities and towns.
 Metropolitan Water District of Southern California:
 nuclear power desalting project, authorize hearings, 7749, 7813
 laws, 375, 10487
 reports, 675, 6078, 7731, 9125
 Metzler, William H., farm labor situation in selected States, 7882
 Mexican-Americans, selected references, 8282
 Mexico:
 aerial dispersal of pink bollworm, 5678
 background notes, 1617
 caddis flies, 11611
 Chamizal boundary, construct border highway—
 law, 499
 reports, 630, 701, 904
 Colorado River boundary waters, loan, agreement, 2914
 east coast, sailing directions, change, 9969
 economic and social development of border area, joint commission to study, agreement, 7191
 economic basic data, 14882
 education, joint commission for review of operation of certain scholarship funds, agreement, 7175
 fruits, fumigating with ethylene dibromide, manual, 13203
 geodetic satellite observation station, agreement, 11859
 health information for travel, 13080
 livestock and meat industry, 8048
 mineral industry, minerals yearbook chapter, 12804
 plant regulatory officials, 5618
 radio broadcasting, agreement, 11852
 trade in cotton textiles, agreement, 15777
 travel to United States, market, survey, 5581
 west coast, sailing directions, 6998, 15625
 Mexico, Gulf of:
 adjacent to Tampa Bay, oceanographic atlas, 12545
 coast pilot, 17467
 supplement, 7533
 Intraoceanal Waterway, Gulf section, New Orleans, La. to Port Arthur, Tex., etc., navigation maps, 8383
 surface water quality of basins, 8184, 17834

Mexico-United States Interparliamentary Group:
 7th conference, House delegation report, 13704
 7th meeting, Senate delegation report, 12408
 Meyer, Hans J., results of ultrasonic testing in practice of machine and boiler construction, etc., 13339
 Meyer, R. A., status of development of dispersed fuel particles in berillium oxide matrix, 7421
 Meyers, Gilbert L., testimony, hearings, 16394
 MHB series, 15697
 Mi Soon Oh, *see* Oh, Mi Soon.
 MIADS 2, *see* Map Information Assembly and Display System.
 Miami, Fla.:
 area wage survey, 8310
 port, dedication (remarks), 6259
 Mica, *see* Muscovite.
 Mice:
 acute hydrazine toxicity, toxicologic studies, 4183
 oxygen uptake, effect of different inert gases and low pressure normoxic environments, 76
 Michael, Donald N., cybernation and social change, 6596
 Michaelson, G. S., bacteriology of clean rooms, 17937
 Michalowska, Sophie, relief, 16174
 Michalski, Bernadette, mineral industry of Poland, 2563
 Michaux, C. M.:
 handbook of physical properties of—
 Planet Jupiter, 11424
 Planet Mars, 15316
 Michigan:
 apple-packing costs, analysis, 5653
 area measurement reports, 13359
 census of agriculture, 1964, State and county statistics, 10390
 census of manufactures, 1963, area statistics, 158
 census of mineral industries, 1963, area statistics, 4289
 climate, 16530
 climatological data, 3096
 county business patterns, 1865, 12050
 electric rate book, 16583
 hardware face veneer and plywood—
 distribution and end-uses, 8074
 mill closures, 2308
 iron formations, samples and metallurgical evaluation, 6678
 landings—
 fish, annual summary, 11073
 fishery products, 3553
 Marquette Iron Range—
 fine-grained hematitic area flotation procedures, laboratory, etc., development, 14335
 water resources of area, 14183
 mineral industry, minerals yearbook chapter, 5117
 postal map, 15658
 precipitation data, hourly, 3401
 southeastern river basins, water resources study, information bulletin, 7929
 women in upper Peninsula economy, conference, 2977
 Michigan, Lake:
 pollution of interstate waters, progress evaluation meeting, 14053
 small craft, gale and whole gale warning facilities chart, 14724
 southwestern, water pollution, control, etc., hearing, 738
 water pollution control, comprehensive plan for basin—
 Green Bay area, Mich. and Wis., 14050
 Milwaukee area, Wis., 14051
 Mickey, W. V.:
 earth vibrations from nuclear explosion in salt dome, 8911

- Mickey, W. V.—Continued
seismic wave propagation, 12118
strong-motion and surface accelerations, 5782
- Microanalysis, *see* Chemical analyses—Electron probe microanalysis.
- Microbalance, crystal, measures condensable molecular fluxes, 6744
- Microbes, *see* Micro-organisms.
- Microbiologists:
examination announcement, 14856
discontinuance notice, 16077
FDA microbiologist, career information, 11096
- Microbiology:
Clostridium toxins and bacterial aerosols, microbiological studies, 11290
examination of space hardware, NASA standard procedures, 15521
primary microbiological succession on landslide of Alpine origin at Mount Rainier, 11119
- Microcontaminants, *see* Contaminants.
- Microcurrent generator produces electrical currents accurately between 10^{-11} ampere to 10^{-2} ampere, 8401
- Microelectronics, *see* Electronics.
- Microelement metabolism in myopathy patients, USSR study, 2447
- Microfilms:
National Archives publications—
list, supplement, 17030
pamphlet accompanying, 18060-72
newspapers, list, 8329
publications of National Historical Publications Commission, catalog, 6936
- Microflora, *see* Bacteria and bacteriology—Intestinal flora—Skin flora.
- Microforms, masters, national register, 2530
- Micrographs, *see* Electron micrographs.
- Micrography of tubular-type battery plates, 8591
- Microlepidoptera:
nearctic Gelechiidae, Lita group (Lepidoptera: Gelechioidea), revision, 6949
neotropical—
Chilean, description by Emilio Blanchard, 6970
genus *Lethata* (Lepidoptera: Stenomatidae), studies, 8549
review of genus—
Loxotoma, 6969
Thioscellis, 14543
revision of genus—
Idolatteria (Lepidoptera: Tortricidae), 8538
Pseudatteria (Lepidoptera: Tortricidae), 6944
systematic position of 2 taxa erroneously placed in family Stenomatidae (Lepidoptera), 5304
- Micromanipulation tool is easily adapted to many uses, 8446
- Micromanipulators, liquid microurgy chamber and microsyringe designs allow more efficiency, 16882
- Micrometeoroids, craters in metal substrates, observation utilizing electron micrographic replica methods, 9815
- Micrometers:
automated microsyringe, accurate and reliable device, 14415
measures of 256 double stars, 11628
measures of 1164 double stars, 15623
sonomicrometer, simple portable, 1741
- Miniaturization, *see* Miniaturization.
- Micronesia, *see* Trust Territory of Pacific Islands.
- Micro-organisms:
automatic analysis of microscopic objects, problems, working conference in Pushchino-on-the-Oka, 1219
enteric microbial flora of man in oxygen-bellum atmosphere, 79
in 2 types of air masses at 690 meters over a city, 66
microbial flora surviving irradiation pasteurization of seafoods, effect, 1800
- Micro-organisms—Continued
microbial inhibition systems employing radiation (MISER), 8908
microbially controlled environment, NASA standards for clean rooms and work stations, 15522
micropopulation, relationship to altitude, 1733
of land air mass as it traverses ocean, 68 of upper atmosphere, 66-68, 1732-33
relationship between frontal activity and micropopulation at altitude, 1732
soil, simple, time-saving techniques for studies, 16656
- Microparticle and fiber reinforcement of epoxy resins, 5352
- Microphones, device enables calibration at high sound pressure levels, 16966
- Microscopes, interference microscope, USSR studies on microlocalization of potassium in myofibrils, 14217
see also Electron microscopes.
- Microscopy:
anoptical, use for study of morphology of brain tumor cells, USSR study, 12739
fluorescence and phase-contrast, for differential cytological diagnosis of precancer and cancer of cervix uteri, USSR study, 12700
microscopic studies of tumor viruses and cell structure, USSR, 6562
observations of ultraviolet irradiated and weathered softwood surfaces and clear coatings, 14123
see also Electron microscopy—Slides (glass).
- Microvoids in glass-filament-wound structures, their measurement, minimization, and correlation with interlaminar shear strength, 11677
- Microwave communication systems, optical and microwave communications, a comparison, 11529
- Microwave spectroscopy, *see* Spectroscopy.
- Microwaves:
attenuation, measurements and standards, 8523
errata sheet, 14515
azimuth measurements, atmospheric errors, experimental study, 2224
liquid hydrogen densitometer utilizes open-ended microwave cavity, 11452
microwave and high-frequency bibliography, 17031
millimeter wave diode for efficient harmonic power generation, 11483
mixer has high conversion efficiency, 6787
monitoring of sea water contamination of Navy fuel oils, 15637
open-ended circular cylindrical cavities, errata, 11485
- Middle Atlantic States, *see* Atlantic States.
- Middle East, *see* East (Middle East).
- Middle Ordovician period, *see* Ordovician period.
- Middleton, John T.:
addresses—
Feb. 28, 1967, 8640
May 25, 1967, 13072
- Midland, Tex.:
area wage survey, 15441
brackish well water reverse osmosis tests, 11217
District Court, western district, new Midland-Odessa division, create, report, 16235
- Midstate division, *see* Missouri River Basin project.
- Midway Islands, birds and aircraft, 1959-63 investigations, 4809
- Midwest (U.S.):
cost of transporting freight by class 1 and 2 motor common carriers, 11233

Midwest (U.S.)—Continued
 dairy farms, commercial, costs and returns, 16488
 fresh fruit and vegetable unloads in mid-western cities by commodities, States, etc., 7532
 milk consumption and food service patterns in selected institutions, 11935
Miesch, A. T.:
 error in geochemical data, 8176
 methods of computation for estimating geochemical abundance, 9573
Migrant labor:
 agricultural, counties having 100 or more, 2811
 family housing for agricultural workers, guide, 11924
 problem in U.S., report, 7784
 study, authorization, report, 6080
 traveler/el viajero, quarterly newsletter for migrant and seasonal farm workers, 7879
VISTA serves migrant worker, 6168
 vocational rehabilitation services, grants—
 hearings, 15172, 17600
 law, 16144
 reports, 14972, 16366
 6 steps forward, 17186
Migration:
 beet leafhopper in western U.S., 5686
 between State economic areas, census of population, 1960, 13402
 see also Immigration and emigration.
Migration, European, Intergovernmental Committee for, see Intergovernmental Committee for European Migration.
Migratory-bird-hunting stamps:
 fees, increase—
 hearing, 10665
 reports, 624, 12266
 information for collectors, 11075
Migratory birds, see Game and game birds—Water birds.
Migratory workers, see Migrant labor.
 Milan, Italy, U.S. trade center, 12654
 Milan Compress Co., relief, 328, 563, 839
Military Academy, West Point:
 catalogue, 1967-68, 17910
 certain civilian instructors, etc., provide public quarters and utilities without charge—
 law, 430
 report, 933
 official register, 11350
 permitting persons from countries friendly to U.S. to receive instruction—
 law, 506
 report, 692
Military affairs, 4211
Military Affiliate Radio Station (MARS):
 general information, 7859
Military aid:
 agreement with—
 Belgium, 13148
 Indonesia, 13154
 Japan, 15778
 Luxembourg, 11871
 Norway, 2927
 collective defense treaties, compilation, 7743
 foreign assistance act of 1967—
 analysis, 10053
 hearings, 9157, 10649, 12299, 13861, 15027
 Ramseyer rule print, 10652
 reports, 13837, 14960, 14973
 foreign assistance act of 1968, background material, fiscal year 1968, compilation, 12297
Latin America, United States operations, review, 7770
 military assistance appropriations, 1967, law, 405
 military assistance appropriations, 1968, hearings, 15014

Military aid—Continued
 military assistance facts, 16464
 military assistance program addresses, MILSTRIP, 4679, 6152, 9379, 10900, 12445, 13926, 16472
 Thailand, procurement of locomotives under military assistance program, Defense Department, GAO report, 6380
 United States investment of military assistance funds in military installations located in France, 9158
Military aircraft, see Aircraft.
Military Airlift Command:
 contracts with, procedure for exemption under renegotiation act of 1951, as amended, 11777
 MAC flyer (periodical), 3531
Military Appeals, Court, see Court of Military Appeals.
Military art and science:
 advanced naval base defense, 6625
 automation of troop control, methodological problems, USSR, 8273
 classification, Library of Congress, 2528
 counter guerrilla operations, Army field manual, 8881
 defense traffic management handbook, change, 6142
 environmental test methods, military standard, 16469
 helicopterborne operations, Marine Corps manual, 15460
 infrared technology, handbook, 8584
 international logistics management, Army field manual, 1762
logistics—
 material development, Army field manual, 1761
 selective management of secondary items, change, Army field manual, 10263
Marine Corps, command and staff action, manual, 2533
 mathematical methods in military affairs, application, USSR book excerpts, 15359
 methodological problems of military theory and practice, USSR study, 12701
 river-crossing operations, Army field manual, 4208
 riverine operations, doctrine, Marine manual, 8331
 scientific and philosophical application of cybernetics in military science, USSR study, 1197
 snows of war, Army logistics, 1775-1953, 1397
 Soviet translations, 3887
 supply operations manual, defense depot transportation and supply procedures, change, 6145
 symbols, field manual, 10261
 tactical decision-making skills, generalized, research, 9982
 U.S.A. vs. U.S.S.R., changing strategic military balance, 12288
Military assistance, see Military aid.
Military assistance to civil authorities, 7383
Military bases:
 Philippines—
 agreement, 2916
 relinquishment of certain land areas in Camp John Hay, agreement, 11843
 Redcliff, Newfoundland, continuing use of adjacent land, agreement with Canada, 7155
Military camps, see names of camps.
Military ceremonies, honors, and salutes:
 Air Force manual, 8851
 Army field manual, 5728
Military claims, see Claims.
Military communications:
 DCS equipments/systems performance standardization program, DCA circular, 9360

INDEX 1967

- Military communications—Continued
 - defense communications system, engineering-installation standards manuals, 4668, 16455
 - field radio relay techniques, manual, 5729
 - signal construction battalion, field manual, 4205
 - signal large headquarters, operation company, field manual, 15937
- Military construction, *see* Installations (military).
- Military depots:
 - defense depot transportation and supply procedures, manual, change, 6145
 - maintenance manual for Army model CH-34 helicopters, 7401
- Military drill:
 - Air Force manual, 8851
 - field manual, 5728
- Military education:
 - audio-visual support center operations, field manual, 4206
 - military schools adopt programmed teaching methods, USSR, 16756
 - National Guard, Army, field training, administrative instructions, 8531
- Military equipment, *see* Military supplies.
- Military establishments, *see* Armed Forces—Defense Department.
- Military facilities, Army National Guard program, operating procedures, 6935
- Military fields, United States, instrument approach procedure charts, dates of latest editions, 3555
- Military handbooks, 980, 7860, 9370-71
- Military history:
 - Marine Corps—
 - historical bibliographies series, 14310
 - historical reference pamphlets, 8332, 12784, 14311, 17904-906
 - USSR memoirs, 6514
- Military History, Office of Chief of, Army, publications, list, 5095
- Military housing, *see* Housing.
- Military impact on American economy, now and after Vietnam, 12187
- Military index:
 - Defense Department, specifications and standards, 13920, 15188
 - supplements, 3412
- Military information:
 - catalog of current information materials, 7374
 - Eastern Europe, translations, 3556
 - route reconnaissance and classification, field manual, 1757
- Military installations, *see* Installations (military).
- Military intelligence:
 - activities, planning and execution, Fleet Marine Force manual, 12781
 - PACAF basic bibliographies, supplement, 7338
 - technical intelligence, Army field manual, 102
- Military justice, *see* Military law.
- Military law:
 - American civilians in Vietnam, application of Uniform Code of Military Justice, 16234
 - military affairs, pamphlet, 4211
 - military justice in Armed services, administration, hearings, 958
 - review, Army Dept. pamphlet, 3557
 - Uniform Code of Military Justice, amend. hearing, 16310
 - United States Code, amend titles 10 and 37, codifying recent laws, etc., law, 432
- Military Manpower Procurement, Civilian Advisory Panel on, *see* Civilian Advisory Panel on Military Manpower Procurement.
- Military operations, *see* Military art and science.
- Military Order of Purple Heart, legislative program, hearings, 9172
- Military pay, *see* Pay, allowances, etc.
- Military personnel, *see* Armed Forces—Army.
- Military pilot training, requirements, and inventories, hearings, 13843
- Military policy, worldwide military commitments, hearings, 944, 10816
- Military posture, hearings, 9149
- Military prisoners, confinement, field manual, 4207
 - see also* Prisoners of war.
- Military publications:
 - administrative guidance for Army National Guard, 11596
 - index of AMC publications and blank forms, 95, 5721, 10251, 13289, 15027
- Military records:
 - correction, remove time limitations and provide time limitations as to payments, report, 2016
 - service records, microcopy, pamphlet to accompany—
 - War of 1812 volunteers from Mississippi Territory, 18070
 - Union Army volunteers from Utah Territory, 18073
- Military research:
 - Army research and development—
 - newsmagazine, 3043
 - personnel, motivational work factors, 4228
 - long-range forecasting and planning, Air Force research program, 17340
 - research in progress, Army Research Office, Durham, 11993
 - skills, generalized, related to tactical decision making, 9982
- Military review (periodical), 3558
- Military roentgenology, 10279
- Military schools, *see* Military education.
- Military science, *see* Military art and science.
- Military Sea Transportation Service:
 - sealift magazine, 3854
 - training plan for Naval Reserve officers, qualifications and professional development, 5341
- Military security:
 - espionage and internal security laws, 6934
 - security and foreign relations, regulations, Engineers Corps, 6206
- Military service:
 - after college, opportunity in Coast Guard Officer Candidate School, 217
 - chargeable accessions, profiles, 10296
 - universal military training and service act—
 - amend and extend
 - hearings, 9304, 10638
 - law, 13527
 - reports, 10608, 10744, 12246, 12255
 - youths, results of examination, health of Army, supplement, 8906
- Military services, *see* Armed Forces.
- Military standards, 2154, 3559, 4678, 6151, 7861-62, 9372-78, 10899, 12443-444, 13921-924, 15189-198, 16465-471, 17700
- Military supplies:
 - Air Force—
 - material, validity and controls over large volume of unfilled orders, GAO review, 17813
 - procurement instruction, revisions, 3009
 - air transport of supplies and equipment, external-transport procedures, Army technical manual, 8894
 - airdrop of supplies and equipment, Army technical manual—
 - general, types and methods of airdrop, etc., change, 4217
 - rigging—
 - Air Force communications control vehicles, 1771, 7398
 - ammunition for low and high velocity airdrop, 7399, 13303
 - cargo trailers, 8888, 15949
 - CW-BW water pretreatment decontamination set, 10286

Military supplies—Continued
 airdrop of supplies and equipment.
 technical manual—continued
 rigging—continued
 howitzers, 105-mm, 15950
 POL and rations, 8889
 trailer-mounted air compressors, 113,
 15951
 typical supply loads, 112, 8887
 weapon carrier, $\frac{1}{2}$ ton, 10281
 weapons systems, M 28 and M 29,
 change, 15952
 Armed services procurement regulations,
 3040
 supplements, 6139, 7846, 16456
 Army procurement procedure, changes,
 1753, 10254
 cataloging system, standardization, etc.,
 semiannual reports, 6032, 7739, 16313
 contractors guide, 8880
 DCS equipments/systems performance
 standardization program, 9360
 Defense Dept.—
 specifications and standards, index,
 13920, 15188
 supplement, 3412
 standardization documents, supply clas-
 sification listings, 3324, 13919
 defense disposal manual, changes, 6146,
 7853-54, 9268, 10890
 defense equipment and materiel, disposi-
 tion, agreement with Brazil, 11854
 defense procurement circular, 3194
 defense supply procurement regulation, re-
 vision, 3196
 disposal of U.S. supplies in France, report,
 7769
 DSA responsibilities, 7858
 equipment, marking and packing, AMC
 pamphlet, 4192
 evaluation of contractor's inspection sys-
 tem, 6154
 Federal manual for supply cataloging for-
 mat, content, and preparation of Federal
 supply catalog publications, 12439
 item identification, cataloging manual,
 16458
MILSTRIP—
 military standard requisitioning and is-
 sue procedures—
 changes, 6153, 15199
 supplements, 4679, 6152, 9379, 10900,
 12445, 13926, 16472
 military supply and transportation
 evaluation procedures, 13925
 Pacific basin market for wood products for
 military support activities, 1098
 parts and equipment, procedures for pack-
 aging and packing, military standard,
 16468
 procurement—
 legal service, Army pamphlets, 5737,
 7389, 8883-84, 13300, 14799-800
 small business subcontracting and set-
 aside programs, report, 4510
 specifications and standards for petro-
 leum and related products, reference,
 list, 10903
 research and development of materiel,
 maintainability engineering, 103
 standardization policies, procedures, and
 instructions, manual, 3893
 supply operations—
 defense depot transportation and supply
 procedures, change, 6145
 manual, distribution system procedures,
 changes, 978, 12440
 United States, disposal in France, report,
 6109
 utilization manual, 4676
 change, 2148
see also Handling equipment.

**Military Traffic Management and Terminal
 Service:**
 defense transportation, monograph, In-
 dustrial College of Armed Forces, 16731
 transportation proceedings (periodical),
 7407
 Military training, *see* Military education.
 Military Weather Warning Center, severe-
 storm forecasting procedures, analysis,
 notes, 17359
Milk:
 bulk and packaged, costs of transporting
 by truck, 8836
 city milk markets, price warfare, 2168
 consumption and food service patterns in
 selected eastern and midwestern insti-
 tutions, 11935
 cows on farms, production per cow, etc.,
 5683
 evaporated, condensed, and dry, 3246
 Federal orders—
 market statistics—
 1966 annual summary, 10204
 summary, monthly, 3295
 summary of major provisions, 9355
 fluid—
 consumer response to various levels of
 advertising, 17322
 milk and cream report, 3339
 packaged, sale in Federal milk order
 markets, by size and type of container,
 7835
 foam spray-dried whole milk, trial use in
 institutions, 13946
 grade A—
 pasteurized milk and milk products,
 your best buy, 2812
 what you should know about it, 5472
 import act of 1967, hearings, 10801
 indemnity payments to dairy farmers, ex-
 tend—
 law, 16140
 reports, 14981, 15088
 instant nonfat dry, how to buy, 15855
 milkshed sanitation, rating methods, 8639
 nonfat dry—
 donated, good choice for thrifty family,
 food value, use, recipes, 9336
 instant, good choice for thrifty family,
 description and use, 9334
 ordinance, recommendations, 1965 grade
 A pasteurized milk, 14624
 pasteurization, facts, 14746
 prices, economic report, 4539
 procurement by Defense Dept., price ad-
 justments, amend U.S. Code—
 law, 410
 reports, 689, 907
 production—
 balance between supply and demand (ad-
 dress), 4101
 disposition and income, 8847, 10109
 monthly reports, 1643, 2940, 3560, 7199,
 8756, 11880, 15806
 1966, statistical summary, 7200
 proteins, dye-binding evaluation method,
 4152
 special school program for children, ex-
 tend—
 closing nutrition gap, 15871
 law, 373
 report, 663
 white magic, guide for program aides in
 home economics, 47
 Milking, cows, time and travel required,
 effect of layout, equipment, and routine,
 4151
 Milking Shorthorn cattle, *see* Cattle.
 Miller, Charles D. performance investiga-
 tion of 8-inch hubless pump inducer in
 water and liquid nitrogen, 6860
 Miller, D. R. BWR core-conceptual design,
 7423
 Miller, Dale C., child protection under Fed-
 eral hazardous substances act, 12552

INDEX 1967

- Miller, David H., transport of intercepted snow from trees during snow storms, 8114
- Miller, G. Kimball, Jr., manual abort guidance technique with concentric-light-plan rendezvous, 14481
- Miller, Gulon, enrollment of Eastern Cherokee, records, pamphlet accompany microcopy, 18072
- Miller, Herman P.:
income distribution in United States, 1883
present value of estimated lifetime earnings, 13401
- Möller, J. R., opportunities for increasing markets and employment in shoe industry, 2161
- Miller, John E., correction for nonuniformity of bore of capillary tube viscosimeter, 14337
- Miller, John V., estimated thermal conductivity of cermet fuel materials for nuclear reactor application, 8502
- Miller, Louis T., relief, 849
- Miller, M. L., parametric study of advanced multistage axial-flow compressors, 11419
- Miller, Paul A., university perspective on manpower, 15435
- Miller, Robert C., seven-storm forecasting procedures of Military Weather Warning Center, 17339
- Miller, Robert, E.:
predicting 1st year achievement of Air Force Academy cadets, class of 1967, 17343
relationship of AFOQT, Air Force officer qualifying test, scores to measures of success in undergraduate pilot and navigator training, 13267
- Miller, Robert H., Crotalaria seed morphology, etc., 17334
- Miller, Robert L. and wife, relief, 804, 7645
- Miller, Vernon R., tests for tin-lead solders and solder joints, 11388
- Miller Freeman (fishery vessel):
description, etc., 11076
- Millholland, James, and early railroad engineering, 11602
- Millimeter-wave generation with electron beam devices, etc., 6854
- Millimeter waves, see Microwaves.
- Milling (metallurgy):
copper and copper base alloy mill products, tolerances, Federal standards 2268, 16601
- Milling machines, numerically controlled, computer used to program, 2662
- Millions of ballots for industrial democracy, 6938
- Mills, Thomas J., prospective manpower situation for science and engineering staff in universities and colleges, 14563
- Mills, see Cotton mills—Flour mills—Plywood mills—Sawmills—Steel mills—Textile mills—Veneer mills.
- Millwork, Federal item identification guides for supply cataloging, supplements, 3288
- MILSTAMP [military standard transportation and movement procedures] training program implementation of DOD regulation 4500.32-R, 1763
- MILSTEP, military supply and transportation evaluation procedures, 13925
- MILSTRIP:
military assistance program addresses, 4679, 6152, 10900, 12445, 13926, 16472
military standard requisitioning & issue procedures, 6153, 15199
requisition fund codes, 16473
- Milton, D. L., geology of Arabian Peninsula, 6406
- Milwaukee, Wis.:
area wage survey, 14296
water pollution control, comprehensive plan for area, 14051
- Milwaukee River, water pollution, control, etc., hearing, 738
- Minckler, Leon S., establishing mixtures of reed cedar in poor oak-hickory forests, 8073
- Mine accidents:
coal mines, injuries, monthly report, 3098
fatal accidents with front-end loaders, analysis, 16856
- Mine drainage:
acid mine drainage, water pollution control demonstration projects, hearings, 16435
management, pollution control costs, handbook, 12539
neutralization of mine water, research, 9792
- Mine explosions, equivalences and lower ignition limits of coal dust and methane mixtures, 9782
- Mine fires, control project in Appalachia, story about fighting fires in abandoned coal workings, 6691
- Mine gases:
incendiarity of hot gases to methane and coal dust, reduction by sodium chloride and sodium nitrate, 11383
minimum ignition energy and quenching distance in gaseous mixtures, techniques and apparatus, 15475
- Mine pillars:
coal—
burst-prone, stress distributions, 12824
relative pressure changes during extraction, 12829
- Mine props, lightweight recoverable hydraulic, design and development, 17913
- Mine safety, see Safety of life.
- Mine water, see Mine drainage—Water.
- Mineral-fuels, see Fuel.
- Mineral industries, see Minerals.
- Mineral lands:
conveyance of—
mineral interests of U.S. located near Orangeburg, S.C., to Allen E. Domnick, 334
mineral rights of U.S. in San Bernardino County, Calif., to Needles, Calif., report, 15003
oil and gas lease—
New Mexico, reinstate, 530, 10704, 12324
Wyoming, reinstate, reports, 10738, 10740
relief for occupants of certain unpatented mining claims, extend act—
law, 17556
report, 16289
- Mineral Wells, Tex., climatic summaries of resort areas, 12478
- Mineralogy, see Meteorites.
- Minerals:
aggregate industry and urbanization—
Denver, Colo., area, 6637
Tucson, Ariz., area, 5105
census publications, price list, 7056
concentration, influence of liquid cyclone variables, study, 12822
contributions to geochemical prospecting (series), 4886
data, linear discriminant analysis, 6680
deposits, reserves, computing, errata, 2538
heavy, Umat-Maybe Creek region, 8159
industries—
area reports, annual, 3038
census, 1963—
advance reports, 3087
area statistics, 4280-4300, 5821-46, 7463-64
area statistics, announcement and order forms, 5808, 13363
area statistics, bound volume, 12038
employment and related statistics, 7469
industry statistics, 166-167, 1854, 5847, 7465, 8934, 10342
industry statistics, bound volume, 13364
announcement and order form, 13363

Minerals—Continued
 industries—continued
 census, 1963—continued
 final subject statistics, announcement and order form, 4263
 fuels, electric energy, and selected supplies used, 7470
 power equipment used, subject statistics, 7471
 publication program, 5819
 size of establishments, 7467
 subject statistics, 5848, 7466-71, 8935
 general summary, 7466
 type of operation, subject statistics, 8935
 type of organization, 7468
 employment and injuries, minerals yearbook chapter, 2537
 enterprise statistics, 1963, preliminary reports, 3241
 injury experience, employment, and worktime, 8342, 15465
 metallic, injury experience, 11355
 Montana water requirements and uses, 2539
 review, minerals, yearbook chapter, 5132, 6689
 water use, census of mineral industries, 5848
 Wyoming water requirements and uses, 12796
 industry, minerals yearbook chapter—
 Afghanistan, 6642
 Africa, 12805
 regional review, 12812
 Alabama, 2548
 Alaska, 5108
 Algeria, 2549
 Angola, Mozambique, and Portuguese Guinea, 9758
 Argentina, 15466
 Arizona, 6643
 Arkansas, 6644
 Australia, 5109
 Austria, 8343
 Basutoland, Bechuanaland, and Swaziland, 11357
 Belgium, 15467
 Bolivia, 12793
 Brazil, 16857
 British Guiana, 14330
 British Honduras, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama, 14331
 British Solomon Islands, Christmas Island, Fiji Islands, Makatea, Nauru and Ocean Islands, New Caledonia, New Hebrides, and Papua and New Guinea, 9759
 Bulgaria, 6645
 Burma, 2550
 California, 6646
 Cambodia, Hong Kong, Laos, North Viet-Nam, South Viet-Nam, 11358-359
 Canada, 6647
 Caribbean Islands, 14332
 Ceylon, 8344
 Chile, 12799
 China, mainland, 5115
 Colombia, 11360
 Colorado, 8345
 Congo (Leopoldville), 12800
 Cyprus, 6648
 Czechoslovakia, 2551
 Denmark, 8346
 East Germany, 8347
 Ecuador, French Guiana, Paraguay, and Uruguay, 11361
 Ethiopia, 6649
 Europe, regional review, 15473
 Far East, regional review, 11367
 Florida, 5110
 France, 16858
 Gabon, 8348
 Georgia, 2552

Minerals—Continued
 industry, minerals yearbook chapter—continued
 Germany, Federal Republic, 12801
 Ghana, 8349
 Greece, 15468
 Greenland, 8350
 Guinea, 8351
 Hawaii, 2553
 Hungary, 5111
 Idaho, 1400
 Illinois, 6650
 India, 8352
 Indiana, 6651
 Indonesia, 6652
 Iowa, 2554
 Iran, 8353
 Ireland, 12802
 Italy, 14333
 Ivory Coast, 8354
 Japan, 12803
 Kansas, 6653
 Kentucky, 2555
 Kenya, Tanzania, and Uganda, 8355
 Kuwait, 2556, 8356
 Kuwait-Saudi Arabia Neutral Zone, 5112
 Latin America, regional review, 12813
 Lebanon, 5113
 Liberia, 6654
 Libya, 6655
 Louisiana, 5114
 Luxembourg, 6656
 Malagasy Republic, 6657
 Malaysia and Singapore, 6658
 Maryland, 5116
 Mexico, 12804
 Michigan, 5117
 Minnesota, 2557
 Mississippi, 2558
 Missouri, 6659
 Montana, 6660
 Morocco, 8357
 Near East, regional review, 6672
 Nebraska, 2559
 Netherlands, 11362
 Nevada, 8358
 New Hampshire, 2560
 New Jersey, 1401
 New Mexico, 6661
 New York State, 5118
 New Zealand, 8359
 Nigeria, 6662
 North America, regional review, 11368
 North Dakota, 8360
 North Carolina, 5119
 North Korea, 1402
 Norway, 11363
 Ohio, 6663
 Oklahoma, 6664
 Oregon, 2561
 Pakistan, 8361
 Pennsylvania, 8362
 Peru, 11364
 Philippines, 2562
 Poland, 2569
 Portugal, 11365
 Republic of South Africa, 9760
 Rhode Island, 1403
 Rhodesia (Southern Rhodesia), Zambia, and Malawi, 12806
 Rumania, 6665
 Senegal, 8363
 Sierra Leone, 2564
 South Asia, regional review, 8373
 South Carolina, 1404
 South Dakota, 5120
 South Pacific, regional review, 6673
 South-West Africa, 8364
 Spain, 12807
 Sudan, 8365
 Surinam, 8366
 Sweden, 15469
 Switzerland, 8367
 Tennessee, 6666
 Texas, 6667
 Thailand, 8368

INDEX 1967

Minerals—Continued

industry, minerals yearbook chapter—continued

- Tunisia, 6668
- Turkey, 8369
- U.S.S.R., 15470
- United Kingdom, 12808
- Utah, 5121
- Venezuela, 12809
- Vermont, 1405
- Virginia, 6669
- Washington State, 2565
- West Virginia, 6670
- Wisconsin, 6671
- Wyoming, 2566
- Yugoslavia, 16859

mineral content in municipal water supplies, economic effects, 14199

mineral-deposit and mine sample and assay data analyzing, statistical techniques, 14322

mineral nutrient requirements of *Chlorella sorokiniana* in continuous pure culture, 14779

mineral trade notes, monthly inventory, 3563

mineralogy of tungsten deposits, 1st all-Union conference, 1157

minerals and primary products, Federal item identification guides for supply cataloging, supplements, 3291

minerals and related substances X-ray crystallographic data, molar volumes, and densities, 17818

minerals in world economy, minerals yearbook chapter, 15471

mining and mineral operations in U.S. visitor's guide, 8370

nickel- and cobalt-bearing, magnetic susceptibility, 17911

nonmetallic, except fuels, mining, 1963 census of mineral industries, 10342

production, statistical summary, minerals yearbook chapter, 8379

prospecting, suggestions for prospectors, techniques, etc., 9575

publications, price list, 2803

resources—

- Alaska, print additional copies, report, 13651
- Bosque del Apache National Wildlife Refuge, 17821
- briefing, hearings, 10655
- California, 2124
- code of Federal regulations, 6284
- Desolation primitive area, Sierra Nevada, Calif., 11169
- Devil Canyon-Bear Canyon, primitive area, Calif., 8155
- High Uintas primitive area, Utah, 12598
- Missouri, 15055
- print report as Senate document, report, 9276
- Mount Baldy primitive area, Ariz., 8156
- Pine Mountain primitive area, Ariz., 11166
- Salt Creek area, Bitter Lake National Wildlife Refuge, 17821
- Ventana primitive area, Monterey County, Calif., 12604

safety officer, examination announcement, 4392

silicate, far infrared spectra, study, 9841

South America, fertilizer minerals, sources, 1110

supplements, FDA fact sheet, 6359

USSR industrial development, translations, 4020

yearbook, 1964 area reports, international—

- departmental edition, 1406
- document edition, 515

yearbook, 1965—

- area reports, domestic—

 - departmental edition, 12810
 - document edition, 12194

Minerals—Continued

yearbook, 1965—continued

- metals and minerals except fuels—

 - departmental edition, 9761
 - document edition, 9049

- mineral fuels—

 - departmental edition, 11366
 - document edition, 10495

see also Strategic materials—also names of minerals.

Minerals Exploration Office, annual reports, 8335, 16847

Mines and mining:

- assigning area of influence for assay obtained in mine sampling, 12815
- deep mine stress determinations using flatjack and borehole deformation methods, 6676
- domestic industry, stockpile program and its relationship, hearings, 2051
- exploration expenditures in case of mining, income tax deductions, report, 650
- flexible liners for underground support, 5128

ILO—

- convention concerning employment underground of young persons in mines, medical examination for fitness, 16160
- recommendations concerning conditions of employment of young persons in underground mines, 16160

metal mining, census of mineral industries, 1963 industry statistics, 8934

mine and mineral-deposit sample and assay data analyzing, statistical techniques, 14322

mine superstructures and surface equipment, USSR study, 1249

minerals, nonmetals, except fuels, 1963 census of mineral industries, 10342

mining—

- and mineral operations in U.S., visitor's guide, 8370
- industries, 1958, interindustry structure, 11356
- must it destroy our land? announcement and order form for conservation publication, 14614
- phosphate, pneumatic vibrating-blade planer test operation, research progress report, 1411
- production-scheduling model and critical path analysis of development work for long-range planning, 9786
- prospector, cowboy, and sodbuster, historic places associated with mining, etc., in trans-Mississippi West frontier, 13008
- publications, price list, 2803
- scientific labor organization proves effective at Siberian mining institute, 14263
- stresses and displacements surrounding open pit in gravity-loaded rock, 14356
- surface mining and our environment, special report, 14201

see also Coal mines and mining—Hydraulic mine filling—Mine drainage—also names of metals and minerals mined.

Mines Bureau:

- Albany Metallurgy Research Center, metallurgical progress reports, 1807, 5795
- appropriations, 1968, hearings, 7734
- area report, annual, 3038
- bulletins, 6631-32, 8237, 11351, 12795, 14322-323, 16848-850
- coal-fired gas turbine research project, test of new turbine blade design, 9772
- information circulars, 2538-43, 1398, 5104-5, 6635-40, 8339-41, 9754-56, 11352-356, 12796-797, 14324-329, 15464, 16853-856, 17911-912
- press releases, 3744
- programs, briefing, hearings, 10655
- publications—

 - and articles, 1965, list, 2547
 - monthly list, 3622

- Mines Bureau—Continued**
 report of investigations, 1408-14, 2570-88, 5124-31, 6674-88, 8374-78, 9763-92, 11369-389, 12814-831, 14334-361, 15474-483, 16861-867, 17913-916
- Mingo County, W. Va., coal, carbonizing properties, 5130**
- Miniature capacitive accelerometer is especially applicable to telemetry, 1470**
- Miniature telemetry system accurately measures pressure, 6786**
- Miniaturization:**
 double-focusing mass spectrometer, evaluation, 2599
 microminiature dc signal-conditioning amplifier, development, 14483
 microminiature thermocouple monitors own installation, 1460
 personal communication system combines high performance with miniaturization, 11456
 piezoelectric triaxial accelerometer measures cranial accelerations, 2659
 slip rings, environmental study, 14419
- Minimax attitude control of aeroballistic launch vehicles, errata, 1419**
- Minimum-impulse time-free transfer between elliptic orbits, 1432**
- Minimum principle in calculus of variations, 4995**
- Minimum wage, see Wages.**
- Mining, see Mines and mining.**
- Mining claims, see Mineral lands.**
- Mining engineering:**
 flexible liners for underground support, 5128
 stress ellipsoid determination in rock-burst-prone area, 14351
- Mining machinery:**
 and equipment, current industrial reports, 4331, 15999
 equipment, Federal item identification guides for supply cataloging, supplements, 3285
 nonuniform radial loads applied to boundary of circular hole in infinite plate, 17914
 pneumatic transportation of solids, symposium, 2342
- Ministers of religion, see Clergy.**
- Minkin, Herbert L., performance of turbine-type flowmeters in liquid hydrogen, 2728**
- Minks, extinct sea mink, with taxonomic notes, 6964**
- Miniutti, Victor P., microscopic observations of ultraviolet irradiated and weathered softwood surfaces and clear coatings, 14123**
- Minneapolis, Minn., area wage survey, 11313**
- Minnesota:**
 access highway through Manitoba, Canada, to northwest angle of Minnesota, construct, agreement, report, 2096
 area measurement report, 13360
 census of agriculture, 1964, State and county statistics, 10391
 census of manufactures, 1963, area statistics, 159
 census of mineral industries, 1963, area statistics, 5831
 climatological data, 3096
 county business patterns, 172, 12051
 dairy manufacturing firms, utilization of plant capacity, 12454
 mineral industry, minerals yearbook chapter, 2557
 national forests, private pleasure boating, 8068
 northern, lumber production declines, 14100
 pollution of Interstate and intrastate waters of upper Mississippi River and its tributaries, conference, proceedings, 14052, 15253
 postal map, 15659
 precipitation data, hourly, 3401
- Minnesota Chippewa Tribe, see Chippewa Indians.**
- Minor, J. E., investigation of low-level radioactive waste containers in accident environment, etc., 8909**
- Minor elements, see Chemical elements.**
- Minorities:**
 books for schools and treatment of, hearings, 2045
 colored, and present British policies, 9747
 employment in Federal Government, 1930
 minority groups in Republic of Vietnam, ethnographic study series, 5735
- Minors, see Children.**
- Minot, N. Dak., Souris River Valley, geohydrology of area, 14184**
- Minsk, L. C., prevention of accumulation of snow and ice on open mesh metal panels, 8879**
- Mint (plant):**
 mint for oil, acreage, production, etc., 1959-65, revised estimates, 14762
- Mint Bureau:**
 annual report, 8381
 operating fund, financing, hearing, 10818
- Mints:**
 mint marks on coins, permit—hearing, 10817
 law, 12171
 reports, 10602, 10765, 12248
- Mintz, Milton S., transport of electrolytes through membrane systems, 15332**
- Minute Man National Historical Park, general information, 17053**
- Minutillo, Rose, relief, 7656**
- Miocene period, see Calvert Formation.**
- Miquel Franca, Jorge I., relief, 267, 581**
- Miranda y Montegudo, Maria Y. R., relief, 9199, 12144, 12212**
- Mirex, use in control of Texas leaf-cutting ants, 2325**
- Miridae, see Hesperolabops.**
- Mirrors:**
 rearview, for automotive vehicles, Federal standard, 6325
 transmission of light through plane water surface and its return by submerged retroreflector, 13031
- Miscellaneous collection series, see Smithsonian miscellaneous collection.**
- Miscellaneous papers, see names of departments, etc., issuing papers.**
- Miscellaneous publications, see names of departments, etc., issuing publications.**
- Missile bases, Arkansas Titano II missile site disaster, survivor benefits payable, actuarial analysis, 7115**
- Missiles:**
 antiballistic (ABM), status—
 policy decisions, cost estimates, etc., staff memorandum, 7746
 technical development (statement), 7808
 antimissile defense, USSR study, 9676
 ballistic reentry trajectories at velocity of 50,000 f.p.s., 12932
 dynamic characteristics of variable-mass slender elastic body under high accelerations, 5188
 fuel, Air Force Dept. procurement from sole-source supplier, GAO review, 9551
 guide, Federal item identification guides for supply cataloging, supplements, 3293
 guided, preferred items list, electronic and electromechanical, military standard, 7862
 military procurement—
 appropriations, 1967, report, 2014
 appropriations, 1967, supplemental—hearings, 6031, 7799
 law, 9035
 reports, 6087, 7665, 7667, 7673
 appropriations, 1968—
 hearings, 7797, 9149
 law, 12164
 reports, 7786, 10570, 10575, 10611
 publications, price list, 5419

INDEX 1967

Missiles—Continued

- structural response with different forms of damping, analysis, 14450
- structures and power sources surface-to-air missile series, engineering design handbook, 15928
- Titan IIIC, matrix-Holzer analyses for fully-coupled vibrations of clustered launch-vehicle configurations, 5158
- U.S. sites, work stoppages, analysis, 5403, 18141
- winged model, water-landing characteristics, 9872
- Mississippi:
 - area measurement reports, 4267
 - bromide and iodide in oilfield brines in some Tertiary and Cretaceous formations, 11385
 - census of agriculture, 1964, State and county statistics, 13407
 - census of manufactures, 1963, area statistics, 1842
 - census of mineral industries, 1963, area statistics, 4290
 - climatological data, 3096
 - coast, hurricane survey, engineer report—departmental edition, 10957
 - document edition, 10506
 - congressional districts, 90th Congress, 183
 - cotton, spinning quality as affected by gin cleaning, etc., 1965-66 season, 5647
 - county business patterns, 1866, 12052
 - District Court, eastern division of northern district, terms to be held at Ackerman—
 - law, 16138
 - report, 12379
 - landings, fish and shellfish, 3564, 16615
 - mineral industry, minerals yearbook chapter, 2558
 - post study, wood preservatives, comparison, 1967 progress report, 11110
 - postal map, 15660
 - precipitation data, hourly, 3401
 - salt domes, survey, 2541
 - soil survey laboratory data and descriptions, 13124
 - statehood, commemorative stamp (poster), 18137
 - war on poverty, examination, hearings, 12420
- Mississippi River and Valley:
 - bridge at Rock Island, Ill. to Davenport, Iowa, reconstruction, etc., authorize construction of additional span, report, 2095
 - daily Mississippi River stage and forecast bulletin, 3177
 - daily Missouri-Mississippi River bulletin, 3177
 - fisheries, 1965, annual summary, 9513
 - flood control in lower valley, 8382
 - flood protection to agricultural areas above Ohio River, engineers report—
 - departmental edition, 4732
 - document edition, 4472
 - Fort Madison, Iowa navigation, project, engineer report—
 - departmental edition, 4733
 - document edition, 4470
 - Gulf outlet, New Orleans, La. to Gulf of Mexico, navigation maps, 8383
 - light list and other marine aids, 9004
 - Mississippi River and tributaries, stages and discharges in—
 - Memphis district, 12476
 - St. Louis district, 13982
 - Vicksburg district, 12477
 - soil, sediment, and water, monitoring agricultural pesticide residues, preliminary report of studies, 4086
 - surface water quality, upper basin, 2375
 - transportation lines on river system, 2219

Mississippi River and Valley—Continued

- upper—
 - and its tributaries, pollution of interstate and intrastate waters, conference, proceedings, 14052, 15253
 - zinc-lead district, aeromagnetic and tectonic analysis, 4888
 - zinc-lead district, geology (series), 6388
- Mississippi River Commission:
 - member, nomination of Willard Roper, hearing, 16433
 - nominations, hearing, 12427
- Mississippi Territory, service records, microcopy, pamphlet to accompany War of 1812 volunteers, 18070
- Mississippian period, Big Snowy and Amsden groups and Mississippian-Pennsylvanian boundary in Montana, 15309
- Missouri:
 - air pollution study, 5438-42
 - area measurement reports, 17421
 - census of agriculture, 1964, State and county statistics, 13404
 - census of business, 1963, retail trade, area statistics, errata, 10340
 - census of manufactures, 1963, area statistics, 1843
 - census of mineral industries, 1963, area statistics, 4291
 - climatological data, 3096
 - cordwood yields from thinnings in young oak stands in Missouri Ozarks, 2307
 - county business patterns, 4312, 12053, 14820
 - electric rate book, 12510
 - highway safety study, Operation 66, joint engineering-enforcement project report, 1594
 - mineral and water resources, 15055
 - print report as Senate document, report, 9276
 - mineral industry, minerals yearbook chapter, 6659
 - Ozarks, shortleaf pine seedling inventory, methods on broadcast-seeded areas, 8072
 - precipitation data, hourly, 3401
 - shortleaf pine, stand volume equations, 14094
 - southwest, establishing grass range in Ozarks, 14092
 - water resources development projects, 15055
- Missouri Basin Inter-Agency Committee:
 - annual programming report, 1967-69 fiscal years, 16868
 - annual report on progress, 5137
- minutes—
 - 146th meeting, 5138
 - 147th meeting, 14362
 - 148th meeting, 16869
 - 149th meeting, 16870
- Missouri River and Valley:
 - daily Missouri-Mississippi River bulletin, 3177
 - floods, magnitude and frequency, 1129
 - surface water quality, 2375
- Missouri River Basin, progress, quarterly report, 3777
- Missouri River Basin project:
 - Almena unit, revised procedures for determining irrigation benefits, GAO review, 12590
 - appropriations, authorization, increase—
 - law, 17543
 - reports, 10739, 15004
 - Nebraska mid-state division, construct, operate, etc., reports, 13671, 14955
 - Oahe unit, James division, S. Dak., construction bearings, 17656
 - Yellowtail unit, general information, 2848
- Mistletoe:
 - Arceuthobium, seed collection and storage, 9541

- Mistletoe—Continued**
dwarfmistletoe—
 parasitizing true firs in California, biology and pathology, 5685
 spread into Jeffrey pine plantation, trees infected after 22 years, 16658
- Mitchell, George W.:**
 remarks—
 Nov. 11, 1966, 1068
 Nov. 30, 1966, 2261
 Dec. 28, 1966, 4786
 Mar. 8, 1967, 6297
 Apr. 21, 1967, 9494
 May 13, 1967, 11052
 Aug. 21, 1967, 15248
 Sept. 23, 1967, 16593
- Mitchell, Lloyd V.,** radiosonde dew-point accuracies 40° C to -40° C, 15884
- Mitchell, Robert T.,** protecting corn from blackbirds, 16637
- Mitchell, Russel G.:**
 infestation characteristics of balsam woolly aphid in Pacific Northwest, 4852
 translocation of dye in grand and subalpine firs infested by balsam woolly aphid, 11116
- Mitchell, Vernice C.,** consumer purchases of citrus fruit, juices, drinks, and other products, 3145
- Mitchell, William L.:**
 dizziness and vertigo in aviators, 17359
 incidence of ear, nose, and throat diseases in 400 space and test pilot candidates, 14781
- Mitchell sandstone,** *see* Sandstone.
- Mitosis,** *see* Karyokinesis.
- Mittens,** current industrial reports, 4328, 13392
- Mixer conditions** temperature of liquified gas streams, 5219
- Mixers (communications):**
 compact microwave mixer has high conversion efficiency, 6787
- Mizen, Mamie L.,** Federal facilities for Indians, tribal relations with Federal Government, reports, 10804-805
- Miyachi, David,** application of radiation-pasteurization processes to Pacific crab and flounder, 12348
- Mlinko, Aranka,** relief, 10550
- Moab, Utah,** regional geophysical investigations, 2368
- Mosh mining district,** uranium deposits, 6391
- Moapa Valley Water Company,** relief, 250
- Moberg, M. L.:**
 trace contaminants—
 contained in samples from closed environment at 258 mm. Hg., 10234
 in closed ecologic atmospheres, 7350
- Mobile homes,** *see* Trailers.
- Mobile trade fairs,** guide to prospective operators, 4922
- Mobility:**
 environment survey in El Real, Darien Province, Panama, 8895
 integrated mobility measurement and notation system, 11451
 labor, selected references, 15432
see also Geographic mobility—Mechanical mobility.
- Mobilization,** *see* National defense—Production.
- Mobley, Hubert L.,** soil survey of Comanche County, Okla., 15746
- Modal combination** computer program for dynamic analysis of structures, 15327
- Modal split,** documentation of 9 methods for estimating transit usage, 7190
- Model makers,** non-metal, examination announcement, amdt., 203
- Model Reporting Area for Blindness Statistics:**
 conference proceedings, 11751
 statistical report, 11742
- Modeling:**
 olfactory sense simulation, USSR studies, 1326
 selecting a barem and other applications of policy capturing model, 15893
- Models (structural):**
 scale effect on structural-joint damping, 18025
 scaled, application of distorted models in developing, 16956
- Modoc National Wildlife Refuge:**
 birds, list, 11082
 general information, 1079
- Modulators:**
 double emitter suppressed carrier, design using commercially available components, 9856
 electro-optic light, 1489
 light-intensity, withstands high heat fluxes, 2657
 single-sideband, accurately reproduces phase information in 2-Mc signals, 1446
 wideband, high efficiency optical modulator requires less than 10 watts drive power, 16944
see also Laser modulators—Light modulators—Pulse modulators.
- Module (measurement unit):**
 Apollo command module, stability characteristics, 8500
- Modules:**
 lunar module rendezvous, sextant navigation measurements, analysis, 6903
 pilot controlled docking simulation of Apollo command and service module with lunar module, 2689
see also Electronic modules.
- Moe, Lyle E.,** Saudi Arabia, supply and demand projections for farm products to 1975, with implications for U.S. exports, 7886
- Moede, Herbert H.,** milk consumption and food service patterns in selected eastern and midwestern institutions, 11935
- Moehring, David M.:**
 converting pin oak flat to pine, 14121
 diameter growth and foliar nitrogen in fertilized loblolly pines, 8094
 properties of forested loess soils after repeated prescribed burns, 8091
- Moench, Robert H.,** geology and uranium deposits of Laguna district, N. Mex., 8165
- Moffett, Roy R.,** paper, May 22-24, 1967, 12785
- MOFSET** analog memory circuit achieves long duration signal storage, 6766
- Mohair:**
 production—
 1960-64, revised estimates by States, 7297
 price and value, 8763
- Mohammedanism:**
 Bolshevization of Islam, 6496
 Islam, primitive magic, USSR views, 2452
 Muslim teachings and education reviewed in Soviet press, 1252
- Mohler, Stanley R.:**
 impairment of airmanship by alcohol, 4251
 in-flight response to new non-gyroscopic blind flight instrument, 141
 oxygen in general aviation, 4250
 protecting AG pilot, 140
- Mohr, B.,** planetary ionospheres, 12847
- Molsan, Gaston,** green-winged teal, its distribution, migration, and population dynamics, 14067
- Molsture:**
 conservation for wheat production, 4088, 11923
 content of—
 pine foliage, seasonal fluctuation, 2305
 wood products in use, accurate determination, probe, 2298
 cycling of trussed rafter joints, 8101

- Molsture—Continued
 entrapped in honeycomb sandwich structures, detecting techniques, 11453
 retention-capacity of litter under Arizona chaparral communities, 14112
 soil depletion by gambel oak, 4831
- Mojave Desert, western, areal geology, 17824
- MOL (manned orbiting laboratory), see Satellites.
- Molar volume minerals, 17818
- Molasses:
 industrial, marketing in United States, 4639
 market news—
 annual summary, 7829
 weekly, 3565
- Moldavian Soviet Socialist Republic:
 Academy of Sciences, work reviewed, 8272
- Main Pharmacy Administration, proposals for improving labor organization, USSR study, 15422
- Molds (forms):
 form lumber, deleterious effects on concrete surfaces, 13988
- Molecular biology, see Biology.
- Molecular hydrogen, see Hydrogen.
- Molecules:
 biological macromolecules, study, light scattering method, Rumania, 14234
 crystal microbalance measures condensable molecular fluxes, 6744
 electric dipole moments, in gas phase, selected values, 17035
 ligand, role of ionization potential, research, 9588
 macromolecular—
 chemistry field, electron spin resonance research conducted in Hungary, report, 11256
 determination of elasticity and shape, USSR study, 15414
 metastable, of atmospheric interest, 4153
 molecular—
 bases of pathology, USSR study, 11267
 vibrational frequencies, tables, 8524, 18077
- NF, unknown, ground, ionized and excited states, prediction, 5181
- quantum mechanical study, 5181
- Moline, Ill., area wage survey, 6606
- Molten-salt electrorefining vanadium scrap, 17916
- Molybdenum:
 disposal from national stockpile, report, 14936
 hydrocarbon synthesis, use as catalyst, 12827
 report, monthly, 3566
 Ti-8Al-1Mo-1V simulated wing structure, fusion welded, fatigue behavior, 16905
- Molybdenum carbide, thermodynamic data, 1410
- Molybdenum disulfide, bonded with micro-fibrous boehmite, as dry-film lubricants, 10001
- Moizon, Arnold E., encapsulation of electronic parts in plastics, review, 7864
- Moments, thermal bonding plus twist of thin-walled cylinder of open section with application to gravity gradient booms, 15561
 see also Magnetic moments.
- Moments of Inertia, asymmetrical objects, automatic system determines, 6798
- Momentum, see Angular momentum—Motion.
- Momyer, William W., testimony, hearing, 16394
- Monazite, geologic occurrence, 17826
- Mondays, Monday holidays, hearings, 15167, 16332
- Le Monde (periodical):
 index, 3411
- Moneta, Gerda, current retail trade reports, 1966 retail trade, annual sales, etc., 17439
- Monetary policy, see Money.
- Money:
 bank credit and monetary developments, 8002
 banking and monetary statistics, 14038
 supplement, 2264
 cash contribution by Japan for mutual defense, agreement, 15778
 code of Federal regulations, 6285
 commodity money (remarks), 15248
 currency and coin, outstanding and in circulation, monthly statement, 3897
 current problems of monetary policy (remarks), 1068
 demand deposits, currency, etc., 3567
 flow of funds—
 annual, 2259
 assets and liabilities, 1062, 2260
 foreign currencies—
 conversions, procedures, 8772
 U.S. owned excess, feasibility of using instead of dollars to pay for ocean shipment of military assistance program materiel, Defense Department and other Govt. agencies, GAO report, 4866
 U.S. travelers can assist balance of payments, 11887
- foreign exchange rates—
 monthly, 3346
 weekly, 3347
- how to get money for college, 16501
- international monetary policy, contingency planning, statements, 4461
- international monetary reserve asset, new kind (statement), 14709
- international monetary reserves, new plan to supplement existing assets, hearing, 17563
- know your money, 5482
- liquidity and monetary management in 1967 (remarks), 16593
- living with monetary management (remarks), 11052
- monetary policy—
 and economic activity, postwar review, 11054
 and mortgage market (remarks), 1064
 and residential mortgage market, 11055
 financial liquidity, and outlook for corporate profits (remarks), 11056
 framework, as used by Federal Open Market Committee, analysis, 7740
 interest rate ceilings, and future of residential financing (remarks), 7999
 market decisions, and behavior of interest rates (remarks), 8000
- monetary policy (remarks), 9493-94, 16598
- monetary system, consolidated condition statement, 3046
- monetary theory and policy, domestic aspects, bibliography, 8001
- open market rates and bond prices, monthly, 3635
- recent credit and monetary developments, 16594
- reserved foreign currencies, use in lieu of dollar for current expenditures, law, 395
- respective roles of monetary, fiscal and wage price guidepost policies in 1967 (remarks), 1965
- special foreign currency science information program, 1967 list of translations in process, 7551, 17464
- supply and time deposits, 3567
- supply series, revision, 16596
- tradition and innovation in monetary management (remarks), 2265

Money—Continued

- treasury notes payable in foreign currency—
 - law, 513
 - summary, 9177
 - legislative history, 7762
 - report, 702
 - Senate amendments, summary, 4567
 - withdrawal of cash from Treasury for advances under Federal programs, 7207
 - world monetary system for greater society of nations (remarks), 8777
- Mongolia, translations, 3961
- Monitoring:
 - automatic indirect blood pressure device, design, etc., 73
 - biomedical, during dynamic stress testing—
 - Flack test, 7360
 - instrumentation and normal values, 7343
 - Levy hypoxia test, 7344
 - maximum exercise tolerance, ergometer, 7361
 - tilt table orthostatic tolerance test, 7362
 - circuit accurately measures movement of solenoid valve, 2676
 - closed circuit TV system-monitors welding operations, 12893
 - computer/PERT technique monitors actual versus allocated costs, 8458
 - instantaneous, multicomponent expired gases, 2601
 - IR vidicon scanner monitors many test points, 15545
 - magnetoresistor monitors relay performance, 6810
 - microwave, of sea water contamination of Navy fuel oils, 15637
 - multiple meter circuits served by single alarm, 17980
 - optical monitor panel provides flexible test panel configurations, 2634
 - radiation monitoring, programmed instruction book, 15973
 - radioisotope gauge for monitoring suspended sediment concentration in rivers and streams, 1794
 - resistor monitors transfer of liquid helium, 6750
 - security warning system monitors up to 15 remote areas simultaneously, 2665
 - spray-on electrodes for ECG of physically active subjects, 9825C
 - system determines amplitude and time of vibration channel, 8479
 - see also Radiation monitoring.
- Monitors (aeronautics):
 - monitor assures availability and quality of communication channels, 8460
- Moniz, William B., NMR method for determining organic loading of charcoal, 14597
- Monkeys:
 - behavior of *Ateles geoffroyi* and related species, 5500
 - gamma irradiated plant food effect on, USSR study, 6571
 - Macaca irus*, calcium, phosphorus, and nitrogen mobilization resulting from conditions of inactivity, study, 5707
 - Macaca mulatta*—
 - normal values for clinical blood chemistry tests, 7368
 - temperature-sensing telemetry systems, 17360
 - motor reflexes, biologically dissimilar, effect of cholinolytics, USSR study, 9641
- Monnin, Carl F., comparison of Gryzinski and Born cross sections for metastable 2s state of atomic hydrogen, 9874
- Mono Craters quadrangle, Calif., structure and metamorphism, 4887
- Monoamine oxidase, inhibitions by convulsogenic doses of hydrazines and related hydrazones, 4181

- Monographs, see names of departments, etc., issuing monographs—also subjects.
- Monolayers, see Monomolecular films.
- Monolith lysimeters, see Lysimeters.
- Monomers, highly halogenated, synthesis, 9855
- Monomethylhydrazine:
 - effects on—
 - coagulation mechanism, 17361
 - methemoglobin production in vitro and in vivo, 14773
 - renal function, 15901
 - toxicity, on frog cornea, 10242
- Monomolecular films:
 - effects on monolayers on insects, fish and wildlife, 7102
 - polydimethylsiloxane monolayers, surface viscosity, 8592
- Monopoli, Richard V., engineering aspects of control system design via direct method of Liapunov, 5165
- Monopolies:
 - anticompetitive effects of sale of network TV advertising, hearings, 10857, 16424
 - antitrust laws—
 - administration, investigation—
 - authorization, report, 4617
 - subcommittee activities, report, 9293
 - nolo contendere and private antitrust enforcement, hearings, 13875
 - price discrimination legislation, hearings, print additional copies, reports, 916, 2030
 - Congress and monopoly problem, antitrust field, 1890-1966, history of congressional action, 4561
 - dual distribution, Clayton act, amend to prohibit vertically integrated companies from engaging in discriminatory practices, etc., hearings, 6115
 - economic concentration, and divisional reporting, etc., hearings, 6116, 12415
 - international aspects of antitrust, hearings, 7818, 13874
 - Justice Department antitrust activities, review, 8280
 - manufacturing industry, concentration ratios, 2126
 - supplement, 13362
 - petroleum, British and U.S., exploit Persian Gulf, 1188
- Monopulse radar, cross modulation in Scamp signal processor, 9990
- Monroe, Frederick F., feasibility study of wave-powered device for moving sand, 13975
- Monroe, John A.:
 - copper—
 - industry report, 11th annual statistical supplement, 12027
 - quarterly industry report, 3150
- Monroe County, Miss., soil survey report, 5518
- Monroe County, N.Y.:
 - Red Creek, Genesee River Basin, engineer report—
 - departmental edition, 2218
 - document edition, 2067
- Montalvo, Irma S. Ruiz-, see Ruiz-Montalvo, Irma S.
- Montana:
 - alpine snow, mechanical properties, 13292
 - bark beetle attacks on ponderosa pine trees, distribution, 11115
 - Big Snowy and Amsden groups and Mississippian-Pennsylvanian boundary, 15309
 - census of agriculture, 1964, State and county statistics, 8964
 - census of manufactures, 1963, area statistics, 160
 - census of mineral industries, 1963, area statistics, 4292
 - climatological data, 3096
 - county business patterns, 10350, 17427
 - electric rate book, 11022

INDEX 1967

- Montana—Continued
 mineral industries, water requirements and uses, 2539
 mineral industry, minerals yearbook chapter, 6660
 northwestern, floods of June 1964, 15314
 Phillipsburg district, Granite County, Mont., geology and ore deposits, 15305
 postal map, 15661
 precipitation data, hourly, 3401
 public lands, use of income for schools, etc.—
 law, 12177
 reports, 10733, 12262
 radioactivity, airborne, 1952-55, maps, 1802
 sedimentary rocks, chemical composition, 14172
 water supply outlook and snow surveys, 4047, 18217
 western—
 development of progeny of ponderosa pine, 6365
 pinus ponderosa, performance of 14-year-old hybrids, 8067
 ponderosa pine, natural mortality in old-growth stands, causes, 4830
 Montauk Point, N.Y., to Munasquan, N.J., coastal warning facilities chart, 14721
 Monte Carlo method:
 calculation of Doppler coefficients, 18030
 code for solution of planar electron-diode problems including electron-neutral elastic collisions, 15558
 electron flow in low density argon gas including space-charge and elastic collisions, 14480
 plane isotropic buildup factors for bremsstrahlung calculations, 15565
 techniques for statistical system performance analysis, determined by computer program, 16950
 Monte Vista National Wildlife Refuge, general information, 16260
 Montegudo, Maria Y. R. Miranda y, *see* Miranda y Montengudo, Maria Y. R.
 Montelth, L. K., charge storage effects in mylar resulting from electron irradiation, 2610
 Monterey Bay, benthic amphipoda, 2751
 Monterey County, Calif.:
 population, special census, 10373
 Ventana primitive area mineral resources, 12604
 Monterey pine, *see* Pine.
 Montes, Francisco, relief, 13745, 16215, 17516
 Montgomery, Kathleen M., geology of Stewart Flat quadrangle, Caribou County, Idaho, 11162
 Montgomery County, Pa., soil survey report, 11807
 Month-end storage in major reservoirs in Pacific Northwest, 3907
 Monthly:
 NOTE.—For all publications which begin with the word "Monthly", *see* subject, or name of department, etc., issuing publication.
 Months, *see* American History Month—Steelmark Month—also names of special months.
 Monticello Dam, vibration studies, 17181
 Monticello mining district, uranium deposits, 6391
 Montmorillonite:
 Umlist bentonite, analysis, etc., 13291
 water mixtures, frozen phase composition from heat capacity measurements, 14702
 Montrose County, Colo., Delta-Montrose area, soil survey report, 15747
 Monument Valley mining district, uranium deposits, 6391
- Monuments, heritage to discover, 2184
 Moon:
 Apollo program pace and progress, 10676
 contours through lunation, isothermal and isophotic atlas, 16894
 control of thrust axis during planar ascent from lunar surface to circular orbit by manual method, 1490, 14449
 docking of lunar module with Apollo command module in lunar orbit, simulation, 11520
 exploration and use, treaty on principles governing activities of States, analysis and background data, 7791
 landings—
 Langley research facility, operational features, 6875
 research vehicle, electronic flight control systems, operational experience, 1496
 Surveyor III, preliminary report, 14403
 lunar charts—
 AIC 57C, Encke, 7323
 AIC 57D, Maestlin, 7324
 AIC 61C, Secchi, 7325
 AIC 75A, Flamsteed, 7326
 AIC 75B, Wichmann, 7327
 AIC 76A, Enclides P., 7328
 AIC 76B, Fra Mauro, 7329
 AIC 77B, Hipparchus, 7330
 AIC 78A, Delambre, 7331
 AIC 78B, Torricelli, 7332
 AIC 79B, Messier, 7333
 earthside hemisphere, 15887
 earthside reference, 4168
 LAC 11, J. Herschel, 10224
 LAC 12, Plato, 10225
 LAC 23, Rumker, 10226
 LAC 24, Sinus Iridum, 7320
 LAC 25, Cassini, 7321
 LAC 26, Eudoxus, 13263
 LAC 62, Mare Undarum, 7319
 LAC 96, Rupes Altai, 7322
 LAC 113, Maurolyens, 8865
 LAC 114, Rheita, 4167
 lunar experiments, data sampling rates, multiplexing control device for handling wide variations, 12887
 lunar explorers, self-locomotive performance based on experimental reduced-gravity studies, 11501
 lunar far-side charts, 13264-265, 17341
 lunar intersection of tail of earth's magnetosphere, indications, 1284
 lunar missions—
 abort guidance, manual technique with concentric-flight-plan rendezvous, 14481
 Lunar Orbiter 1—
 extended mission operations, 14395
 photographic mission summary, 8429
 photography, 14394
 lunar orbit mission analysis for improved delta launch vehicle and AIMP-D spacecraft, 11495
 lunar satellite, Luna-10—
 magnetic field measurements in neighborhood by, 1285
 soft corpuscular radiation, study, 1283
 spectral composition of gamma radiation, 1281
 lunar science and exploration, 1967 summer study, 17952
 lunar surface studies, bibliography, 11432
 lunar surveying staff concept, penetrometer technique, 11503
 publications, price list, 5419
 results of experiments for detection of lunar ionosphere made on 1st lunar artificial satellite, USSR study, 4950
 Saturn V, manned flight to moon, NASA facts, 12878
 solid interplanetary matter in neighborhood of the moon, USSR study, 1286
 storage vessel on moon, thermal characteristics, 5259

- Moon**—Continued
 stratified and multi-faceted forms on lunar panoramas obtained by Luna-9, 1280
Moon-Blink project, *see* Project Moon-Blink
Moore, A. M., correlation and analysis of water-temperature data for Oregon streams, 8177
Moore, Billy J., analyses of natural gases of United States, 2543
Moore, Charlotte E., solar spectrum 2935Å to 8770Å revision of Rowland's preliminary table of solar spectrum wavelengths, 1522
Moore, Clarence A., economic evaluation of starch use in textile industry, 7881
Moore, Felix E., serum cholesterol levels of adults, 8661
Moore, Gordon E., technique for rearing pales weevil, 9538
Moore, J. Cordell, remarks, Oct. 6, 1967, 17847
Moore, John B., \$5.00 regular postage stamp (poster), 1558
Moore, Norman D., records relating to appointment of Federal judges, etc., Idaho, Territory and State, pamphlet, 18071
Moore, Raymond S., guide to higher education, consortiums, 7898
Moore, Thomas J., brazing tungsten for high-temperature nuclear service in hydrogen, 11506
Moore, William H., deer browse resources of Uwharrie National Forest, 8124
Moore County, N.C., school desegregation in quiet sensible way, 15213
Moorer, Thomas H.:
 nomination, hearing, 15148
 testimony, hearing, 16394
Moorea Creek National Military Park, general information, 5318
Moot, Robert C., nomination, hearing, 13848
Mootchnik, D. L., lunar orbit mission analysis for improved delta launch vehicle and AIMP-D spacecraft, 11495
Morad, Ali-Haji, relief, 321, 598
Morale, aircrew, factors affecting, 2d study, 4184
Morality, *see* Ethics.
Moran, H. E., Jr., permeability and elutriation methods for determining specific surface of dry chemical fire-extinguishing powders, 11678
Moravia, Alberto, Chinese cultural revolution as seen by, 16736
Morbidity:
 health interview survey, standardized ratios for measures of illness by family size, etc., 7097
 morbidity and mortality weekly report, 3585
 see also Diseases of animals.
More about machine thinking, USSR, 2456
More timber, more jobs, 17798
Morehouse, Alanson D., III, handling materials safely, 9681
Morell, Albert P., relief, 13581, 13786, 14903
Morff, Raul R., relief, 268, 582, 805
Morgan, Q. Martin:
 Argentina's livestock and meat industry, 11099
 Uruguay's livestock and meat industry, 11098
Morgan, Roy L., remarks, Nov. 10, 1966, 1949
Morgan City, La., to Brownsville, Tex., coastal warning facilities chart, 11903
Morgantown, W. Va., Forestry Science Laboratory, research facility, Northeastern Forest Experiment Station, purpose, work, etc., 14084
Morgenthaler, John H., supersonic mixing of hydrogen and air, 9807
Morgis, Genevieve G., State compensatory provisions for occupational diseases, 8337
Moriches Bay, pollution of navigable waters, conference proceedings, 6339
Morocco:
 agricultural commodities, agreements, 1636-37, 7163, 7176, 8727
 cultural relations, agreement, 10102
 economy, basic data, errata, 1941
 labor conditions, 1383
 mineral industry, minerals yearbook chapter, 8357
Morphology:
 brain tumor cells, use of anoptral microscope, USSR study, 12739
 interphase nucleus, USSR study, 12747
Morphology (linguistics):
 Seneca Indian language, 13001
Morrell, Lester G.:
 mineral industry of—
 Australia, 5109
 British Solomon Islands, Christmas Island, Fiji Islands, Makatea, Nauru and Ocean Islands, New Caledonia, New Hebrides, and Papua and New Guinea, 9759
 Canada, 6647
 Greenland, 8350
 New Zealand, 8359
 regional mineral industry review of—
 North America, 11368
 South Pacific, 6673
Morrice, Edward, electrowinning high-purity neodymium, praseodymium, and didymium metals from their oxides, 11384
Morris, D. A., summary of hydrologic and physical properties of rock and soil materials, as analyzed by Hydrologic Laboratory of U.S. Geological Survey, 8182
Morris, Dolores G., convey land to, 4494
Morris, Gwilym L., estate, convey land to, 4494
Morris, Meredith J., grassland research, 10185
Morrison, Warren E., review of mineral-fuel industries, 5132
Morrison formation, *see* Jurassic period.
Morro Bay, polychaeta and amphipoda, benthic survey, 6956
Morrow, T. H. Jr., helipad standard marking pattern, 17734
Morrow Point Dam, hydraulic model studies, 13103
Marsh, Joseph E.:
 impact of computer on job analysis in Air Force, 13268
 job types identified with inventory constructed by electronics engineers, 4170
Mort, Kenneth W., wind-tunnel investigation of 7-foot-diameter ducted propeller, 15573
Mortality, *see* Death.
Mortgage insurance:
 companies, income tax deductions, report, 15093
 dealers and individuals subject to certain section of title 1, National housing act, list, 11010
FHA—
 group practice facilities program, information guide and instruction handbook, 14024
 home—
 area trends, 9454, 12504
 regulations, amendments, 1046, 6250-53, 11011
 State trends, 9455, 12506
 housing for the elderly, 6427
 multifamily projects, handbook, 2245
 project, regulations, amendments, 1047, 6254-56, 7963-65, 11012-13, 12505
 rental and cooperative housing for families of low and moderate income, 12624
 urban renewal, consumer bulletin, 11203
 veterans' homes, 11201

INDEX 1967

- Mortgage insurance—Continued**
 FHA multiple dwelling projects, investigation—
 hearings, 2118, 9314
 report of findings, 12392
 group medical and dental practice facilities, constructing and equipping, law, 465
 summary, section-by-section analysis, legislative history, and conference report, 725
 housing digest, 6433
 investment of institutional funds in FHA insured mortgages, 12626
 mortgagee's handbook, home programs, FHA manual, revisions, 4767-69, 14025
 nonfarm, investments of life insurance companies, 15241
 nursing homes, FHA-assisted program, 1965 survey, 6435
 title 10, FHA land development handbook, 16575
- Mortgages:**
 can mortgage market be made more effective? (remarks), 7996
 credit, study, housing, real estate, etc., statements and recommendations, by Federal agencies, 10821
 credit to meet housing needs, Federal policies, hearings, 15151
 discounts, report by HUD, 6091
 farm—
 lending experience of life insurance companies, etc., 9395
 mortgage act, etc., 1983
 mortgage debt, 2175
- FHA—**
 homes, regulations, amendment, 17757
 insured, investment of institutional funds in, 12626
- home—**
 FHA guidelines for payments, 6428
 FHA trends, 3333
 mortgage debt, estimated, quarterly, 3244
- Liquidity in market, attaining (address), 9452**
 monetary policy and mortgage market (remarks), 1064
 monetary policy and residential mortgage market, 11055
 nonfarm real estate foreclosure report, 2637
 recording letter, monthly, 3586
 savings and mortgage lending activity, selected balance sheet items, FSLIC insured savings and loan associations, 3365
 ship, fees for and retention of certified copies—
 hearings, 4552
 law, 364
 report, 887
 ship, transfer authority to approve surrender of documents—
 hearings, 9159, 10849
 message from the President, 7598
 stimulate flow of credit for FHA and VA assisted residential construction, report, 4502
- Veterans Administration—**
 foreclosures, handling by Justice Department—
 hearings, 15031
 report, 14947
- Morton, Conrad V., genus Grammitis in Ecuador, 17049**
- Morton, James G.:**
 addresses, etc.—
 Jan. 17, 1967, 4428
 Jan. 23, 1967, 4424
 Apr. 11, 1967, 7561, 9009
 Apr. 17, 1967, 7582
 May 4, 1967, 9011
- Mosaic disease, problem of possibility of infecting animal cells with ribonucleic acid of tobacco mosaic virus, USSR study, 6486**
- Mosalea:**
 lunar charts, earthside hemisphere, 15887
 lunar reference, earthside hemisphere, 4168
- Moscow, Russian SFSR:**
 East of the Elbe, study mission report, 6104
 Moscow production of Max Frisch's *Don Juan* criticized, 6541
- Moscow, Battle of, 1941-42, reminiscences of G. Zhukov and I. Konev, 1287**
- Moscow Naturalist Society, Biophysics Section, activity, 4971**
- Moscow Scientific Research Institute of Epidemiology and Microbiology, activities, 5023**
- Moscow University, geographers, activities, 12662**
- Moseley, William C., Jr.:**
 aerodynamic stability characteristics of Apollo launch escape vehicle, 12925
 Apollo wind tunnel testing program, 2722
 stability characteristics of Apollo command module, 8500
- Moshier, Ronald L., soil survey of Treasure County, Mont., 10089**
- Mosquitoes:**
 culix subgenus *Culex* in New World (Diptera: Culicidae), classification, 6953
 irrigated farms, prevention, 7261
- Moss, Alan L., blast furnaces, steelworks, rolling mills, 17729**
- Mossbauer effect, utilized in vibration analysis, 17962**
- Mosses, copper mosses as indicators of metal concentrations, 4886**
- Mossinghoff, Gerald J., remarks, June 22, 1967, 13048**
- Mothers:**
 assessing feasibility of employment and adequacy of child-care plans, criteria, 13414
 day care and working mother, magnitude of problem on national scale (talk), 11908
 who are the working mothers, 5605, 13188
 working mothers and need for child care services, 10144
- Moths:**
 genus *Euchromius* Guenée with descriptions of new species (Lepidoptera: Crambidae), review, 5308
 Loxostege Hubner species review and descriptions of new species (Lepidoptera, Pyraustidae: Pyraustinae), 8542
 neotropical agarinistinae (Lepidoptera: Noctuidae), notes, etc., 5312
 subfamily Prodoxinae (Lepidoptera, Incurvarillidae), revision, 8535
 tympanate, ultrasonic speaker for studies of acoustic sensitivity, 4083
 Zimmerman pine moth, description, control, etc., 11105
 see also Clearwing moths—*Eusceptis* Hubner—*Microlepidoptera*—*Tip* moths—*Yellow* peach moths.
- Motility of bacteria, see Bacteria and bacteriology.**
- Motion:**
 coulomb interaction in momentum space, theory, 11567
 drive system accurately controlled in 1-micron range, 9825F
 strong motion and surface acceleration, Project Handcar, 5782
 upper troposphere, as revealed by satellite-observed cirrus formations, 9430
 see also Equations of motion.
- Motion picture theaters, industry wage survey, 11330**
- Motion pictures:**
 Agriculture Department, bimonthly list, 3058
 air pollution films, on loan for group showing, list, 13075
 aviation education, 9438

Motion pictures—Continued
 bold new approach, how a community plans and develops comprehensive mental health center, film announcement, 17138
 captioned films for the deaf—
 catalog, 7891
 program, 10929
 catalog of copyright entries, 12435, 17685
 civil defense, memorandum to industry, movie, announcement, 10407
 employment security, farm labor, unemployment insurance, etc., 12472
 Federal Fire Council film library list for safety programs, 14164
 films on oceanography, catalog, 2770
 Forest Service films available for educational purposes, list, 12569
 housing and community development, bibliography, 11204
 in search of peace, basic goals of United States foreign policy, 7149
 instructional film, research, 9409
 July rain, Soviet motion picture reviewed, 16771
 Library of Congress catalog, 3506
 machine to predict box-office success, USSR study, 11288
 medicine and allied sciences, film reference guide, 13073
 mental health films, guide, 14636
 nursing in coronary care units, films, 11754
 Office of Economic Opportunity film guide, 10910
 pathfinders from the stars, motion picture covering history and development of methods for determining geographic position, announcement, 16085
 professional level (16 mm), AEC catalog, 5800
 Public Health Service film catalog, 17045
 State Department, film list, 8717
Motion sickness, methionine-pyridoxine and airsickness, observations, 77
Motivation (psychology):
 Army research and development personnel, motivational work factors, 4228
Motive power, see Power.
Motor buses, see School buses.
Motor carrier decisions, see Interstate Commerce Commission.
Motor carriers:
 census, 1963, motor carrier survey, 4302
 class 1 and 2, cost of transporting freight—
 Central region, 11232
 general commodities by regions or territories, 16726
 Middlewest region, 11233
 New England region, 9604, 11234
 Southwest region, 11235
 passenger transportation industries, 1964, compensation expenditures and payroll hours, 17893
 passengers, certificates issued in future shall not confer right to special or charter operations—
 hearings, 947
 law, 508
 report, 890
 revenues, expenses, other income, etc., of—
 class 1 carriers of passengers, quarterly, 3834
 large carriers of property, quarterly, 3835
 transport statistics, 12657
 see also Motor vehicle accidents.
Motor courts, motel employees under fair labor standards act as amended, 7225
Motor cycles, see Motorcycles.
Motor fuel:
 aviation handbook, Coordinating Research Council, 11624
 highway statistics, 13101
 storage tank linings, effects of anti-icing additive, final report, 9991
 see also Gasoline.

Motor reactions, arousal as factor in remembrance, 9981
Motor trucks, see Motortrucks.
Motor vehicle accidents:
 Air Force personnel, attempt to predict automobile accidents, 17344
 collisions in D.C., report to police, report, 7689
 District of Columbia, uninsured motorist coverage required part of liability policies, report, 13644
 highways safety study, Operation 66, joint engineering-enforcement, project report, 1594
 motor carrier accident investigation reports, 1153, 4927-28, 6476, 11236, 16872-875, 17917
 property carriers, 1965-66, operating revenues \$200,000 or more, 16871
 traffic safety, Federal role, hearings, appendix, 9315
Motor vehicle operators:
 District of Columbia, permits, issuance for less than 3 years, report, 12381
 driver, automotive magazine of Air Force, 11949
 drivers licenses, statistics, 17176
 medical advisory boards for driver licensing, 8638
 National Driver Register, State records exchange service, 18087
 overtaking and passing on 2-lane rural highway, 14641
 revocation or suspension of license to drive while under influence of drugs, etc., amend laws, report, 17623
Motor Vehicle Safety Advisory Council, National, see National Motor Vehicle Safety Advisory Council.
Motor vehicles:
 abandonment in U.S. urban areas, 7451
 air pollution—
 control, determine means of propelling vehicles other than internal combustion engine, hearings, 13856
 control, Federal standard, 6324
 problems and progress associated with control, hearings, 10871
 report of HEW to Congress, 6056, 16348
 print as Senate document, report, 6083, 15142
 anchorage of seats, Federal standard, 6320
 anchorages for seat belt assemblies, Federal standard, 6315
 armrests, Federal standard, 6328
 ashtrays and lighters, Federal standard, 6327
 automotive products industry, trade agreement with Canada, 2924
 classification definitions, 18129
 code of Federal regulations, 6280
 District of Columbia—
 registration, facilitate addition of name of spouse of owner—
 law, 12178
 reports, 12382, 13640
 title certificates applications, eliminate oath requirement, report, 12383
 emissions, control, progress (address), 2836
 energy absorbing steering control system for automotive vehicles, Federal standard, 6318
 equipment defects, etc., 1960-66, including correction efforts, hearings, appendix, 9315
 Federal Item Identification guides for supply cataloging, supplements, 3285
 forward compartment energy absorption, Federal standard, 6316
 fuel tanks and tank filler pipes for automotive vehicles, Federal standard, 4795
 glare reduction surfaces, Federal standard, 6323

Motor vehicles—Continued

Government's interagency motor pool system, potential savings obtainable through increased use, Defense Dept., GAO report, 8137

head restraint requirements, Federal standard, 6330

highway statistics, 13101

hydraulic service brake system, Federal standard, 6321

identification marking of combat and tactical transport vehicles, 12443

initial Federal motor vehicle safety standards, Jan. 31, 1967, report on development, 3024

instrument panel instruments and control devices, Federal standard, 6317

interagency pool, GSA, savings by adopting manufacturers' recommended preventive maintenance programs, GAO report, 16673

padding for automotive seat backs, Federal standard, 6329

rear window defogger, Federal standard, 6332

rearview mirrors for automotive vehicles, Federal standard, 6325

registered and unregistered, made available for use of Presidential inaugural committee, issue special registration tags, valid for 90 days, report, 7686

rigging Air Force communication control vehicles for alldrop, Army technical manual, 1771, 7398

roll bar structure for automotive vehicles, Federal standard, 6333

safety defect recall campaigns reported by manufacturers, 18086

safety door latches and hinges, Federal standard, 6319

safety responsibility act of District of Columbia, as amended, amend, report, 17623

safety standards—
application to those produced in quantities less than 500, hearing, 17647

establish, report, 645

side marker devices, Federal standard, 6331

standard safety devices, Federal standard, 4796

Tariff Commission report to Automotive Agreement Adjustment Assistance Board in case pertaining to Maremont Corporation, 5565

tariff elimination agreement with Canada, implementation, annual report, 7803

tracked combat vehicles, military procurement—
appropriations, 1967, report, 2014

appropriations, 1967, supplemental—
hearings, 6031, 7799

law, 9035

reports, 6087, 7665, 7667, 7673

appropriations, 1968—
hearings, 7797, 9149

law, 12164

reports, 7786, 10570, 10575, 10611

treatment, painting, etc., military standard, 4678

used tires, rebuilding by civil agencies, GAO review, 14162

utilization in Cape Kennedy interagency motor pool, GSA and NASA, GAO report, 2353

window and door controls, Federal standard, 6326

windshield wipers and washers, Federal standard, 6322

world production and registration, 8926

see also Electric vehicles.

Motorboats, Coast Guard Auxiliary examination program, courtesy examiners handbook, 5947

Motorbuses:

charter rights, grant of regular route authority does not confer right to engage in special or charter operations—
hearings, 947

law, 508

report, 890

District of Columbia, reduced fare for schoolchildren, raise age limit, report, 16380

interstate, proration compact, Massachusetts, consent of Congress, law, 440

Motorcycles:
Federal Item Identification guides for supply cataloging, supplements, 3285

United States, popularity, accidents, injury control, 5448

your motorcycling fun and personal protection, 17174

Motorists, highway safety study, Operation 66, joint engineering-enforcement project report, 1594

Motors:
hysteresis synchronous, circuit increases capability, 11440

motors and generators, current industrial reports, 4333, 17432

nutator actuator, use of fluid logic control circuit to operate, 6759

simple drive system operates heavy hinged door, 8404

spring, weight and animal-powered, classification definitions, 18130

see also Electric motors.

Motortruck drivers, transporting ammunition, explosives, and dangerous articles, driver's handbook, 7009

Motortrucks:
electric, evaluation, 9770

industry report, monthly, 3588

refrigerated truck, bodies, testing and rating method, 17335

see also Firefighting vehicles.

Motortrucks in freight service, air-truck coordination and competition, 11231

Mott, John R., soil survey of Franklin County, Mass., 8696

Mota, H. T., intense neutron sources, proceedings of seminar, 13315

Moulds, Donald E., lead, 2545, 5107

Mount, see name of mountain, except when "Mount" occurs as first word of name of town, etc.

Mount Hermon School, East Northfield, Mass., carillon, duty-free entry, 7650, 16353

Mount Holyoke College, polarimeter, duty-free entry, 13775

Mount Rainier National Park, general information, 5319

Mount Rogers National Recreation Area, establish, report, 2085

Mountain Fuel Supply Co., oil and gas lease, reinstate, report, 10738

Mountain pine beetles, see Beetles.

Mountainmabogany, birchleaf, use of helicopter-applied herbicides to control, 14111

Mountains, flying helicopters over at night, guidance systems tested, 8089

see also Seamounts.

Mounting bases, mount, film slide, photographic, overhead projector, Federal standard, 16604

Mourino de Moya, Ena H., relief, 9237

Mourning doves, hunting, possession, transportation, importation in Alaska, Federal regulations governing, 14061

Mouth:
bacteriologic evaluation, man in oxygen-helium atmosphere, 84

oral cancer, early detection using exfoliative cytology, training course summary, 18161

oral diseases, brief review of research studies, 18173

- Mouth—Continued
pyorrhea and other gum diseases, research
explores, 2818
- Movement (psychology):
control of movements in man, USSR study,
12690
- Moving, see Transportation.
- Mower, R. W., causes of fluctuations in rate
of discharge of Clear Lake Springs, Millard
County, Utah, 12618
- Mowing understory vegetation in young teak
plantation, 12574
- Moya, Ena H. Mourino de, see Mourino de
Moya, Ena H.
- Moye, Robert, accident, 11238
- Moyer, Elbert L., jr., controlling off-site
hardwoods with 2, 4-D amine concentrate,
12583
- Moyer, Elsie Z., basic data on metabolic
patterns in 7- to 10-year old girls in se-
lected Southern States, 13227
- Moyer, Forrest T.:
employment and injuries in—
fuel industries, 2536
metal and nonmetal industries, 8338
mineral industries, 2537
injury experience in—
metallic mineral industries, 11355
nonmetallic mineral industries, 9756
- Moyer, James E., study of man in oxygen-
helium atmosphere, oral, cutaneous and
aerosol bacteriologic evaluation, 84
- Mozambique, see Portuguese East Africa.
- MRA, see Model Reporting Area for Blind-
ness Statistics.
- MS-222, fish control investigations, 8033
- MSI series, 3032, 3562-63
- MTMTS, see Military Traffic Management
and Terminal Service.
- Muessig, Siegfried, geology of Republic
quadrangle and part of Aeneas quadrangle,
Ferry County, Wash., 16682
- Muffer, L. J. Patrick, stratigraphy of
Keku Islets and neighboring parts of
Kulu and Kupreanof Islands, southeast-
ern Alaska, 12600
- Muhlenbergia, Gramineae, subgenus Podo-
seum and section Epicampes, taxonomic
study, 17047
- Muhlenhaupt, R. C., single-engine Claude
cycle as 4.2°K refrigerator, 14517
- Muir Woods National Monument, general
information, 11617
- Mule Creek Oil Co., Inc., relief, 783
- Mullet Key:
engineer report—
departmental edition, 2214
document edition, 2007
- Mullin, Sylvia R., progressive fish-culturist,
3778
- Mullins, Cecil J.:
attempt to predict automobile accidents
among Air Force personnel, 17344
prediction of success in instructional
programmer school, 17345
- Mullins, Richard H., establishing business in
Peru, 231
- Multifocal premature contractions, ECG
finding of grave significance, 15897
- Multiple sclerosis:
nature, causes, treatment, etc., hope
through research, 18166
progress in research, 18179
- Multiplexer uses insulated gate-field effect
transistors, 18001
- Multiplexing, control device for handling
wide variations in sampling rates, 12887
- Multipliers, see Lagrange multipliers.
- Multivariable analysis of mechanics of pen-
etration of high speed particles, 6708
- Multivariable processes, see Statistical pro-
cesses.
- Mumford, Bessie C., list of intercepted plant
pests, 7250
- Muendorf, M. J. ground water in vicinity of
American Falls Reservoir, Idaho, 17832
- Munford, James A., embedment and other
metallurgical and mechanical character-
istics of cross-wire resistance welds,
2698
- Munitions:
arms sales and foreign policy, study, 6098
United States armament and disarmament
problems, hearings, 10836
- Muniz y Sotolongo, Julio C., relief, 260
- Munoz, Federico de la Cruz-, see Cruz-Munoz,
Federico de la.
- Muravin, L. D., Soviet sculptor, transcript of
conversation on Chinese artists, traditions,
and cultural revolution and Red Cross,
4948
- Murchison, Roderick G., mineral industry of
Ghana, 8349
- Murine leukemia, see Leukemia.
- Murphree, L. C., soil survey of Monroe
County, Miss., 5518
- Murphy, Charles S.:
addresses, etc.—
Nov. 14, 1966, 1900
Apr. 17, 1967, 8973
Apr. 30, 1967, 8968
June 21, 1967, 12036
Sept. 29, 1967, 16049
- Murphy, Edward J., rapid colorimetric
method for field determination of nitro-
gen dioxide in fumes from explosives,
14338
- Murphy, J. D., aerodynamic heating data
for afterbody Project Mercury spacecraft,
14372
- Murphy, James L., fuel weight and re-
moval costs in fuel-break construction,
8082
- Murphy, Louis J., basic data on economy of
Venezuela, 5954
- Murphy, Richard J.:
remarks, etc.—
July 12, 1967, 14611
July 17, 1967, 13057
- Murphy, Robert T.:
addresses, etc.—
Nov. 3, 1966, 189
Nov. 5, 1966, 186
Nov. 10, 1966, 1899
Jan. 20, 1967, 4368
Feb. 24, 1967, 5911
Mar. 29, 1967, 7523
July 14, 1967, 13420
Oct. 11, 1967, 17446
Oct. 13, 1967, 17445
- Murphy, Thomas E.:
control structure, Little Sioux River, Iowa,
hydraulic model investigation, 7931
drop structure for Gering Valley project,
Scottsbluff County, Nebr., 6213
Willow Springs and Sag Junction diver-
sions, Chicago Sanitary and Ship Canal,
Illinois, 10962
- Murray, J. F., tumors of alimentary tract in
Africans, 14632
- Murtagh, T. B., analysis of sextant navi-
gation measurements during lunar mod-
ule rendezvous, 6903
- Muscidae, see Flies.
- Muscles:
biochemistry, Soviet research, 14214
denervated, luminescent-microscopic study,
USSR, 14251
man's, electromechanical model and its
use in programmed teaching, USSR
study, 2466
muscular exercises and intermittent
venous occlusion, possible preventive
effects on cardiovascular decondition-
ing after bed recumbency, study, 8408
myofibrils, USSR studies on microlocaliza-
tion of potassium, 14217
photoactivation of smooth muscle with
ruby laser, 17362
photodiffusion in muscle cells, under effect
of local and irradiating excitation,
USSR study, 14259

INDEX 1967

- Muscles—Continued
skeletal, functional role of protein sub-
fractions in myofibrillary proteins, USSR
study, 14228
vital staining of muscle tissue during ex-
citation, USSR study, 14255
- Muscovite, micromuscovite, temperature de-
pendence of dielectric constant, at vary-
ing frequencies, USSR study, 16737
- Musen, Peter:
application of Krylov-Bogolubov method
to solution of stellar 3-body problem,
2693
modifications in Brouwer's theory of gen-
eral perturbations in rectangular co-
ordinates, 2703
numerical theory of satellites in Brendel's
coordinates, 11545
- Museum of Art, Science, and Industry,
Bridgeport, Conn., planetarium, elemen-
tary school class visit, 5278
- Museums:
come alive with films, banjos, etc., 9402
cooperative assistance from National Mu-
seum, authorize—
law, 392
report, 681
marine in United States, 16843
robots serve as guides, USSR studies,
17867
see also names of museums or places
where located.
- Musgrave, John R., purification and crys-
tallization of amorphous boron powder
recovery and purification of boron from
residues and scrap, 12017
- Mushrooms, growing in United States, 1687
- Music:
catalog of copyright entries, 967, 16452
sonata for 2 clarinets, student composer
take over, 7911
- Musical instruments, Federal item identi-
fication guides for supply cataloging, sup-
plements, 3292
see also Clarinets.
- Musical pitch, masked DL for pitch memory,
11348
- Muskegon, Mich., area wage survey, 14292
- Muskegon Heights, Mich., area wage survey,
14292
- Muskmelons, pickleworm control, 4116
- Muskogean charm songs among Oklahoma
Cherokees, 6973
- Muslim, see Mohammedanism.
- Mussels, certified shippers, list, 3089
- Mutation, see Variation (biology).
- Mutton, slaughtering, cutting, and processing
on farm, 1690
- Mutual aid, see Military aid.
- Mutual assistance, see Military aid.
- Mutual defense, see Military aid.
- Mutual defense assistance control act of 1951,
see Exports.
- Mutual fire insurance companies, see Fire
insurance.
- Mutual security, see Military aid.
- My generation's finest achievement (ad-
dress), 7902
- Mycoplasma:
indirect hemagglutination test for Myco-
plasma pneumoniae employing commer-
cially available antigen and adapted to
microtiter technique, 5754
relationship to rheumatoid arthritis and
related diseases, proceedings, conference,
2833
- Myers, Clifford A.:
height-diameter curves for tree species
subject to stagnation, 2311
yield tables for managed stands of lodge-
pole pine in Colorado and Wyoming,
11140
- Myers, Donald A., Fusulinidae from Graford
formation and Winchell Limestone, Canyon
group, Upper Pennsylvanian, in Brown
County, Tex., 12615
- Myers, Lowell J., law and the deaf, 17183
- Myers, Robert J.:
comparison of actual experience under
OASDHI system with short-range cost
estimates, 7117, 14644
comparison of recent projections of United
States population, 11792
history of cost estimates for hospital in-
surance, 10082
long-range cost estimates for old-age, sur-
vivors, and disability insurance system,
7118
relationship of child beneficiaries to old-
age beneficiaries, 1603
- Myers, Vance A., infrared radiation from air
to underlying surface, 2972
- Mylar:
charge storage effects from electron irradi-
ation, 2610
film eliminates silk screening of equipment
panels, 1454
- Myocardial ischemia, see Heart diseases.
- Myodocopa, see Crustaceans.
- Myofibrils, see Muscles.
- Myopathy, microelement metabolism in my-
opathy patients, USSR study, 2447
- Mystic Shrine, see Ancient Arabic Order of
Nobles of Mystic Shrine.

N

- N.A.S.A., see National Aeronautics and
Space Administration.
- N.A.T.O., see North Atlantic Treaty Organi-
zation.
- N.B.S., see National Bureau of Standards.
- N-body problems, computer simulation of
plasma and many-body problems, sympo-
sium, 16928
- N.I.H., see National Institutes of Health.
- N.L.R.B., see National Labor Relations
Board.
- N.P.I.P., see Poultry.
- N.R.A.B., see National Railroad Adjustment
Board.
- N.R.L., see Naval Research Laboratory.
- Nabo y Pividal, Rafael J., relief, 12153
- Nabokoff, Katherine, relief, 287, 843
- Nabrit, Samuel M.:
remarks—
Feb. 2, 1967, 4242
Mar. 30, 1967, 7435
Apr. 28, 1967, 8917
June 14, 1967, 12020
July 3, 1967, 12025
- Nace, Raymond L., are we running out of
water?, 6396
- Nacelles, aft-fuselage-mounted, effects on
subsonic longitudinal aerodynamic char-
acteristics of twin-turboprop airplane, 2730
- Naeseth, Rodger L., low-speed wind-tunnel
investigation of tension-structure para-
wings, 14454
- Naftalin, Mortimer L., historic books and
manuscripts concerning general agriculture
in collection of National Agricultural Li-
brary, 8515
- Nagle, F. J., simultaneous measurements of
intra-aortic and auscultatory blood pres-
sures, etc., 4254
- Nahai, L.:
mineral industry of—
Federal Republic of Germany, 12801
France, 16858
regional mineral industry review of
Europe, 15473
- Nahas, Gabriel A., and wife, relief, 569
- Nalditch, S., research on role of ligand mole-
cules on ionization potentials, 9588
- Nakamura, Eugene L., abundance and distri-
bution of zooplankton in Hawaiian waters,
14064
- Nakano, Akemi, see Duke, Noriko S.

- Nalty, Bernard C.:
Marines on Iwo Jima, battle and flag raising, 14311
United States marines at Harper's Ferry and in Civil War, 12784
- Names (personal):
census records, your name is somewhere, 10400
index medicus, cumulated, 6940
- Namkoong, David, photographic study of condensing mercury flow in 0- and 1-G environments, 12939
- Nanne, Louis V., relief, 7626, 12348, 13475
- Nannostomina, see Characidae.
- Nanosecond amplifiers, see Amplifiers.
- Napolitano, A., viscosity of standard lead silica glass, 1520
- Naqib, K. M. Al, geology of Arabian Peninsula, southwestern Iraq, 6407
- Narcotic addicts, rehabilitation, report, 13175
- Narcotic habit:
narcotic addict rehabilitation act of 1966—
hearings, 2128
law, 497
report, 2013
prevention and control of narcotic addiction, 6693
- Narcotics:
and drug abuse, annotations and consultants' papers, 13067
convention on narcotic drugs, 1961—
message from the President, 7771
report, 9190
text, 17235
customs decisions, weekly report, 3977
traffic, 17918
- Narrow, Bernard G., generalized satellite telemetry data simulation program, 1508
- NASA, see National Aeronautics and Space Administration.
- NASA BITS, brief ideas, thoughts, suggestions, 16889
- NASA EP series, 9821, 11423, 12877, 17948
- NASA facts, 1437-38, 8430-31, 9822, 12878, 16922-925, 17949-950
- NASA Scientific and Technical Information Facility computer-oriented information service in science and technology of aerospace, 8432
- NASA SP series, 1439-43, 2615-21, 5189-98, 6730-39, 8433-45, 9823-25, 11424-434, 12879-884, 14402-408, 15514-520, 16928-935, 17951
list, 5199, 11435
- NASA tech briefs, 1444-72, 2622-81, 5200-27, 6740-6850, 8446-79, 9825A-63, 11436-484, 12885-918, 14409-446, 15523-553, 16936-969, 17954-18007
indexes, 11427, 16931
- NASA, 20th century explorer into sea of space, guide to careers in aero-space technology, 11574
- Nashville, Tenn., housing and urban renewal in metropolitan area, report, 12099
- Nassau County, N.Y., northeastern, geology and hydrology, 4894
- Nativity, see Birth.
- Natchez Trace Parkway, general information, 2757
- Nation building and peace building, 14209
- Nation of amateurs, 9403
- National Academy of Sciences:
Federal research and development program, decision-making process, comments by, report, 15001
report, 1963—
departmental edition, 6694
document edition, 6051
report, 1964—
departmental edition, 16876
document edition, 16347
- Special Panel on Applied Science and Technological Progress, report, 16342
print additional copies, report, 16263
hearing, 15049
- National Advisory Board Council, proceedings, 27th annual meeting, 12778
- National Advisory Cancer Council, report, 2835
- National Advisory Commission on Civil Disorders, witnesses summoned by compulsory attendance, testimony, and production of evidence, law, 13541
- National Advisory Commission on Food and Fiber:
appropriations, 1968—
hearings, 10629, 12397
law, 17558
reports, 10620, 13815
report, 13063
technical papers, 15666, 17122-124, 18144
- National Advisory Commission on Rural Poverty:
appropriations, 1968, hearings, 10629, 12397
hearings on rural poverty—
Memphis, Tenn., 17126
Tucson, Ariz., 15668
Washington, D.C., 17127
- National Advisory Commission on Selective Service, report, 1045
- National Advisory Committee (agriculture):
annual instead of quarterly meetings, provide, report, 2020
- National Advisory Committee on Self-Help:
establish—
hearings, 13861
message from the President, 6000
- National Advisory Council on Education Professions Development:
establish—
law, 12176
reports, 12275, 13643, 13805
- National Advisory Council on Extension and Continuing Education, annual report, 10508
- National Advisory Council on International Monetary and Financial Policies:
annual report, 12200
increase in resources of inter-American Development Bank, etc., report, 13552
- National Advisory Health Council, Allied Health Professions Education Subcommittee report, 14622
- National Aeronautics and Space Administration:
AEC-NASA liquid metals information meeting, 125
AEC-NASA tech briefs, 5139-56, 6695-6704, 8384-8404, 9793-98, 11390-392, 12832-845, 14563-369, 15485-494, 16877-887, 17919-932
Aerobee sounding rocket launchings for 1964, compendium, 15554
appropriations, 1968—
amendments, 7600
hearings, 9145, 15017, 16392
reports, 14978, 17576, 17580
appropriations, 1968, authorization—
hearings, 10677, 10797
index, 13714
law, 14911
reports, 10622, 12277, 12390, 14946
bidding, etc., costs charged to government contracts, GAO review, 8143
biomedical application teams, 15495
careers in aero-space technology, guide, 1909, 11574
contractor accounting systems, guidelines for evaluation, 6705
contractor report CR (series), 1419-36, 2595-2613, 5157-58, 6706-28, 8405-29, 9799-9820, 11396-422, 12847-876, 14371-461, 15497-512, 16890-920, 17933-947
contributions to—
advanced valve technology, 15518
metals joining, 6738
structural design concepts, 16932
use of plasma jet technology in chemical processing, 12867

INDEX 1967

- National Aeronautics and Space Administration—Continued**
 cost information from contractors, procedures for reporting, 9929
 EP series, 9821, 11423, 12877, 17948
 headquarters telephone directory, 16926
 Inventions and Contributions Board petitions for patent waiver, findings of fact, etc., 2731, 3684, 11577
 management intern program, 6729
 motor vehicle utilization in Cape Kennedy Interagency motor pool, GAO report, 2353
 NASA BITS, brief ideas, thoughts, suggestions, 16889
 NASA cost plus award for contracting guide, 16888
 NASA facts, 1437-38, 8430-31, 9822, 12878, 16922-925, 17949-950
 NASA incentive contracting guide, 16927
 NASA management issuances—
 index, 11395, 15496
 table of contents, 15513
 NASA-University Conference on Manual Control, proceedings, 6733
 NASA Western University Conference, summary report, 2616
 NASA zero power reactor (ZPR-1), transport study of real and adjoint flux, 11535
 patent policies, evaluation, 6043
 positions in aerospace technology, 7536
 potential savings through use of civil service employees rather than contractor-furnished employees for certain support services, GAO report, 11150
 preparing contractor reports for NASA data presentation, 1443
 press releases, 3745
 procurement directive, 3591
 procurement regulations, 3592, 18058
 supplement, 18058
 publications—
 educational, lists, 2614, 16921
 price list, 5419
 reliability programs, evaluation, 8442
 report of Apollo 204 Review Board to Administrator, 9931, 17020
 research on noise-abatement approach profiles for multiengine jet transport aircraft, 12956
 scientific and technical reports for 1966, selected listing, 12884
 semiannual report—
 departmental edition, 11580
 document edition, 10518
 SP series, 1439-43, 2615-21, 5189-98, 6730-39, 8433-45, 9823-25, 11424-434, 12879-884, 14402-408, 15514-520, 16928-935, 17951
 lists, 5199, 11435
 space flight investigations, opportunities for participation, 11576, 17018-19
 space science and applications programs—
 report to Space Science Board, 2732
 statement, 12877
 special publications, list, 5199, 11435
 specifications and standards, 15520
 standard procedures for microbiological examination of space hardware, 15521
 standards for clean rooms and work stations for microbially controlled environment, 15522
 support service contracts, use of civil service employees rather than contractor-furnished employees, hearing, 16330
 tech briefs, 1444-72, 2622-81, 5200-27, 6740-6850, 8446-79, 9825A-63, 11426-494, 12885-918, 14409-446, 15523-553, 16936-969, 17954-18007
 indexes, 11427, 16931
 technical memorandum, 2682
 technical notes, 1473-1514, 2683-2730, 5228-75, 6851-6907, 8480-8506, 9871-9918, 11485-555, 12919-967, 14447-497, 15554-581, 16970-17011, 18008-53
National Aeronautics and Space Administration—Continued
 technical reports, 1515, 6908-10, 8507-8, 9919, 11550-559, 12968-971, 14498-499, 17012-16, 18054-56
 technical translations, 5276-77, 6911-12, 8509-12, 9920-28, 11560-573, 12972-976, 14500-504, 15582, 17017, 18057
 technology dissemination program, channels of acquisition in commercial firms, 14375
 technology utilization program, new technology reporting—
 management guidelines, 1418
 reportable items, 5279
 transportation problems, rockets, etc., 9932
 Zero Power Reactor I, measurement of effective delayed neutron fraction, 2694
National Aeronautics and Space Council, appropriations, 1968, hearings, 9145, 15147
National Agriculture Library:
 agricultural/biological vocabulary—
 alphabetical list, 17026
 categorized list, 17025
 appropriations, 1968, hearings, 10629, 12397
 books on cooperatives, general reading list, 12977
 historic books and manuscripts concerning general agriculture in collection, 8515
 library list (series), 1517, 8515, 14505
 services offered, 5282
National Agricultural Weather Service, Federal plan, 6226
National and Regional Export Expansion Councils, directory, 16099
National Arboretum, general information, 4128
National Archives and Records Service:
 genealogical records, 17027
 microfilm publications—
 list, supplement, 17030
 pamphlet accompanying, 18060-72
 preliminary inventories series, 14506-510, 18074
 publications, list, 15583
 record groups in National Archives and Federal record centers, list, 17029
 special lists, 14511-512
National Association of Manufacturers, campaign for fuller utilization of handicapped (address), 8616A
National banks:
 authority to underwrite and deal in securities issued by State and local governments, hearings, 16396
 foreign activities, Federal reserve regulation, 8004
see also for individual banks, name of place where located or name of bank.
National Bison Range, general information, 15259
National blueprint for public welfare, 4897
National Brotherhood Week, human relationships, problems of nations living together, etc. (remarks), 8283
National Brucellosis Committee, proceedings of annual meeting, 15830
National Bureau of Standards:
 applied mathematics series, 14513
 calibration and test services, inserts, 8518, 9937-39, 12980, 15585-587, 17032
 dedication of new laboratories (remarks), 1957
 general information, 2738
 handbooks, 6914-15
 journal of research, 2736, 3458-60
 laboratories, Boulder, Colo., general information, 16097
 laboratories open for dedication, inspection tour, 2740
 miscellaneous publications, 1519-21, 2737-38, 6917, 8518-21, 9936-41, 11582-583, 12979-983, 15585-590, 17032-34, 18076

National Bureau of Standards—Continued
monographs, 1522, 2739, 5284, 8522-23,
9942, 11584, 12984-985, 14514-516,
15591-592
national standard reference data series,
1523, 8524, 17035-36, 18077
organic act, amend—
hearings, 10825, 13715
reports, 14934, 15103, 16257
publications, list, 9936
publications newsletter, 3617
Radiation Physics Laboratory, general in-
formation, 2741
research and development, review of Gov-
ernment reports, 2742
standard frequency and time services pro-
vided by radio stations WWV, WWVH,
WWVE, and WWVL, 12979
standard reference materials—
catalog and price list, 17033
quarterly insert sheets, 1519, 11582
general information, 11585
homogeneity characterization of spectro-
metric standards for white cast iron
and stainless steel powder compact,
2737
new materials, publications, etc., 11588
news for users, 12987
technical highlights, annual reports, 9943,
18079
technical news bulletin, 3931
technical news, press release, 3932
technical notes, 1525-26, 2743-46, 5288-
93, 6921-24, 8526-27, 9944-45, 11589-
592, 12989, 14517-519, 17038-42, 18080-
83
technical publications, 1527
National Cancer Institute:
clinical, research, and staff associate, in-
formational bulletin, 7073
journal, 3457
monographs, 1583, 7074-75, 14632, 18172
Pathologic Anatomy Branch, histopathol-
ogy laboratory procedures, 15689
research and related programs, 7089
research reports, 15708
**National Capital, see Capital of United
States.**
National Capital Planning Commission:
appropriations, 1968—
hearings, 7734, 9302
law, 12170
reports, 10560, 10766
**National Capital Regional Planning Coun-
cil:**
annual report, 1528
regional development guide, 8530
National Capital Transportation Agency:
annual report, 5295A
appropriations, 1968—
hearings, 7734, 9302
law, 12170
report, 10766
chronology, 6925
publications, list, 6926
transfer functions—
hearing, 2132
law, 478
report, 654
National CARIH Asthma Week:
designate—
law, 9034
report, 7776
National Center for Air Pollution Control,
training program, July 1967-June 1968
bulletin of courses, 18153
National Center for Atmospheric Research,
administration of contract by NSF, op-
portunities for improvement, GAO report,
16671
**National Center for Deaf-Blind Youths and
Adults:**
establishment and operation—
hearings, 15172, 17600
law, 16144

**National Center for Deaf-Blind Youths and
Adults—Continued**
establishment and operation—continued
reports, 14972, 16366
6 steps forward, 17186
National Center for Health Statistics:
life tables, 1959-61, data, bound volumes,
5444-45
organization and functions, 11748
public health conference on records and
statistics, proceedings, 11th national
meeting, 18185
training unit for nosologists, description
of diseases, 8656
National Center for Radiological Health,
training and manpower program, bulletin
of courses, 13085
**National Clearinghouse for Mental Health
Information:**
crime and delinquency abstracts (periodi-
cal), 3163
occupational mental health notes, 17154
**National Clearinghouse for Poison Control
Centers, bulletins, 3593**
**National Clearinghouse for Smoking and
Health:**
directory of on-going research in smoking
and health, 11743
library services, 11740
National Coal Week, designate, report, 9288
National Coin Week, designate, report, 10774
National Collection of Fine Arts:
art of Staaton Macdonald-Wright, retro-
spective exhibition, 11595
general information, 5296
**National Collegiate Athletic Association, con-
troversy with AAU, status, hearing, 17646**
National Commission on Consumer Interests,
create, hearings, 17594
**National Commission on Fire Control and
Prevention, establish, reports, 14934,
15103, 16257**
National Commission on Food Marketing,
technical study series, 5297-98, 9947
National Commission on Product Safety:
establish—
hearings, 7802, 15041
report, 10758
National Commission on Public Management,
establish, hearings, 10869
**National Commission on Reform of Federal
Criminal Laws:**
establish—
law, 505
report, 930
**National Commission on Urban Problems, re-
port, extend time for filing, report, 16367**
National Committee for Clear Air Turbulence,
report, 2226
National Community Senior Service Corps:
provide—
hearings, 17669
report, 914
**National Conference of Standards Labora-
tories, proceedings, 12983**
**National Conference of State Societies, Wash-
ington, D.C., name, report, 9132**
National Conference on Air Pollution:
clean air for your community, 11722
communicator, information release, 3594
control now for clean air, proceedings,
summary, 14620
proceedings, 15704
**National Conference on Crime Control, pro-
ceedings, 16788**
**National Conference on Legal Rights of
Tenants, report, 14277**
**National Conference on Medical Costs, chart
book, 14185**
**National Conference on State Technical Ser-
vices, addresses and discussions, 12131**
**National Conference on Weights and Meas-
ures:**
announcement, 9934
annual report, 11583

INDEX 1967

- National Conference on Wheat Utilization Research, 4th. papers, 6
- National Congestive Heart Failure Seminar, report and recommendations, 8646
- National Congress on Stomatology, Rumania, proceedings, 12732
- National Consultants Associated, Ltd.: labor racketeering activities—
hearings, 2119
report, 10731
- National Council on Marine Resources and Engineering Development:
annual report, 9948
appropriations, 1968—
hearings, 7734, 9302
law, 12170
reports, 10560, 10766
- National Council on the Arts:
appropriations, 1968, hearings, 7734
review of programs and planning, 6928
scope and exposure of initial programs, review, 6929
- National Crime Commission, *see* President's Commission on Law Enforcement and Administration of Justice.
- National Data Center:
establish, proposal—
hearings, print additional copies, report, 10786
problems of privacy, hearings, 10856
- National debt, *see* Public debt.
- National defense:
agreement with—
Brazil, 11854
Canada, 7155, 8728, 17230, 7249
France, 5550-51, 7168-69
Great Britain, 11846
Mali, 11873
New Zealand, 15771
Peru, 2930
Philippines, 2915
Saudi Arabia, 2926
chemical, biological, and nuclear defense, Army field manual, 1758
civilian aides to Secretary of Army, 13th national conference, summary, 15944
code of Federal regulations, 6286, 9470-74, 9487, 11041-42, 12526
defense industry bulletin (periodical), 3193
defense materials systems and priorities, questions and answers, 7432
defense systems resources in civil sector, evolving approach, uncertain market, 17371
education act of 1958—
administration of programs under title 3, notes and working papers, 17668
amend, hearings, 15026, 15170, 16321
counseling and guidance institutes, programs, 6189
financial assistance for science, etc., instruction, guidelines, 13956
graduate fellowship program for predoctoral study, 2187
graduate fellowships, 1967-68 graduate programs, 4715
institutes for advanced study—
preparing proposals, manual, 9401
summer 1967, handbook for directors, 1003
loans to nonprofit private elementary and secondary schools for equipment and materials, 1007
modern foreign language program, 7905
student loan program, college work-study program and list of participating institutions, 1001
- International defense commitments of U.S. (statement), 1628
- joint defense space research facility, agreement with Australia, 7189
- mobilization programs of—
Business and Defense Services Administration, hearings, 13543
- National defense—Continued
mobilization programs of—continued
Emergency Planning Office, hearing, 12185
General Services Administration, hearing, 12186
Interior Department, hearing, 14916
mobilization report, 2036
perspectives in defense management (periodical), 12658
preparedness program, investigation, reports of subcommittee, 2105-7, 4629, 10809-815
program, 1968-72 and 1968 budget, statement, 4527
transportation, monograph, Industrial College of Armed Forces, 16731
worldwide military commitments, hearings, 944, 10816
see also Civilian defense—National security.
- National defense education act, *see* Education.
- National Driver Register, State driver records exchange service, 18087
- National Economic Goal Commission, establish, hearings, 2133
- National economy, *see* Economic conditions.
- National electric rate books, 1050-57, 2248-53, 3595, 4772-78, 6264, 9457-58, 11018-27, 12510-512, 14027-29, 15245-246, 16582-585
- National Elk Refuge, general information, 8028
- National emergency standby regulations and instructions, personnel and manpower, FPM supplement, 3306
- National Employ the Handicapped Week, designate, report, 10776
- National Employ the Physically Handicapped Week, law establishing, amend, report, 10776
- National Endowment for the Arts, review of programs and planning, 6928
- National Endowment for the Humanities:
annual report, 6931
appropriations, 1968, hearings, 7734
initial programs, 6932
1968 program information, 12991
- National Environmental Satellite Center, ESSA technical report, NESC series, 9430, 10967
- National Export Expansion Council:
Action Committee on Export Promotion, report, 7564
Action Committee on Taxation, recommendations, status report, 9021
Action Committee on Trade and Investment in Developing Countries, report, 9026
directory, 16099
- National Farm Safety Week, July 23-29, 1967, keep your sights on safety, safe use of firearms, facts, 10187
- National Farmers Week, designate, report, 10772
- National Fire-Weather Service, Federal plan, 9432
- National flags and ensigns, 14589
- National flood insurance:
act of 1967—
hearings, 12400, 16315
reports, 15132, 17572, 17574
- National food buyers quiz, questions and answers, 963
- National Forest Reservation Commission:
annual report, 13722
print as Senate document, report, 13818
- National forests:
America's playgrounds, skiing, 5667
California—
areas of limited public use, 16651
forest recreation sites, accidents caused by hazardous trees, 11125
recreation facilities development, personal history, 17799

National forests—Continued
 code of Federal regulations, 9476
 enjoy your national forests, announcement and order form, 11710
 Federal management has contributed much to strengthening local government and economics (statement), 13246
Intermountain region—
 ski areas, America's winter playground, 6372
 yearbook, national forests in profile, 15280
 land exchange in system, 17329
 land exchanges, accept cash equalization, report, 2084
 management policy and other problems, hearings, 10628, 15010
 Minnesota, private pleasure boating, 8068
 national forests are for people, you have stake in conservation, 1087
 Pacific Northwest, 1966, multiple use highlights, 15279
 protecting national forest resources, 16651
 recreation use estimation on Forest Service lands in United States, 15284
 State and privately-owned land protection within area, 4861
 stumpage prices for sawtimber sold (periodical), 3909
 summer home permits terminated, compensation to permittee, hearing, 17586
 system, areas as of June 30, 1966, 6364
 timber sale accomplishments, 9531
 timber sale, story, 15868
 vacations, 11107
 wilderness, America's playgrounds, 8838
see also Forests and forestry—Timber—
also names of forests.
National Foundation for Social Sciences,
 establish, hearings, 10546
National Foundation on the Arts and the Humanities:
 act of 1965—
 amend, hearings, 17599, 17663
 preparing proposals, manual, 9401
 appropriations, 1968—
 hearings, 9302
 law, 12170
 reports, 10560, 10766, 12252
 purpose and activities as it pertains to the arts, 6927
National Gallery of Art:
 appropriations, 1968, hearings, 7734
 brief guide, 14521
National Grange, 5-cent commemorative postage stamp (poster), 8611
National Guard:
 air, general officers, list, 6933
 air reservist (periodical), 3011
Army—
 and Air civilian in peace, soldier in war, bibliographic survey, 5732
 field training, administrative instructions, 8531
 general officers, list, 6933
 installations and facilities program, operating procedures, 6935
 military publications, administrative guidance, 11596
 register, 11598
 Special Forces units, operational funds, pamphlet, 5299
 technician program, job descriptions, pamphlet, change, 11597
 deceased members, furnishing uniform and presentation of flag, report, 16229
 job rights, key answers for employers, etc., 14714
 technicians, clarify status—
 hearings, 6030, 17640
 reports, 658, 6012
trophies—
 Eisenhower trophy to outstanding unit of company size, announcement of winners, pamphlet, 14523

National Guard—Continued
 trophies—continued
 National Guard (trophy, Pershing trophy, National Guard (State) trophy, announcement of winners, 14522
 National Guard Association of United States, trophy, announcement of winners, 14522
 National Guard Bureau, pamphlets, 5299, 6934-35, 8531, 11596-597, 14522-523
 National health survey, vital and health statistics, 5467-70, 7098, 8660-61, 10067-69, 11763-764, 13099, 14637-639, 15715, 17168-170, 18188-189
 National Heart Institute, research grants, congenital heart disease, 15677
 National Herbarium, contributions from, 12997, 14532, 15601, 17047-49
National Highway Safety Advisory Committee:
 establish, report, 646
 increase size, etc., report, 16377
National Highway Safety Agency:
 administrator, William Haddon, jr., hearing, 6095
 establish, report, 646
National Highway Safety Bureau:
 director, nomination of William Haddon, jr., hearing, 15153
 establish—
 law, 389
 report, 906
National Historical Publications Commission, microfilm publications, catalog, 6936
National Home-Improvement Month, designate, report, 10777
National housing act, *see* Housing—Loans.
National income and product, accounts of United States, 1929-65, statistical tables, 1829
National Institute of Allergy and Infectious Diseases, role of collaborative research program, 8649
National Institute of Child Health and Human Development:
 research and training programs, 5462
 training support, 13194
National Institute of Dental Research:
 brief review of research studies, 18173
 spectrum of dental research, 18187
National Institute of Mental Health:
 appropriations, 1968, hearings, 10631
 grants and awards for graduate and undergraduate training, 7066
 mental health manpower, current statistical and activities report, 2829
 research grants—awards
 listing by State, 1948-63, etc., 13083
 program, 1965, descriptive data sourcebook, 15707
 support programs, 18174
 training grants—
 for support of mental health personnel, current status, 2839
 program, 1965, statistical sourcebook, 7076
 workshop series of Pharmacology Section, 17173
National Institute of Neurological Diseases and Blindness:
 eye research, 8631
 neurological information network, 15699
 research profiles, 18175-183
 research, summary, 18175
National Institutes of Health:
 almanac, 10053
 appropriations, 1968, hearings, 10631
 associate training programs, medical and biological sciences, 5420
 Division of Research Services, services of 1966, record of achievement, 10046
 grants and awards program, guide, 17143
 health scientist administrators and grants associates, examination announcement, amendment, 5922
 legislative activities of 80th Cong., 2d sess., that interest NIH, summary, 7094

INDEX 1967

- National Institutes of Health—Continued
library, periodicals currently received, 11757
library translations index, 1966 supplement, 15700
programs, work, etc., 11744
research grants, administration, report, 17575
research highlights on studies conducted, etc., 10061
research methods and instrumentation, developments, symposium, 17163
research programs, report, 14616
resources for medical research, report, 10062
scientific directory and annual bibliography, 8643, 13090
special meeting of Federal Fire Council, 12594
see also Clinical Center, National Institutes of Health.
- National Interagency Council on Smoking and Health, conference, highlights, 7077
National Intergovernmental Affairs Council, establish, hearings, 4639, 13864
National Key Deer Refuge, birds of Florida
Keys national wildlife refuges, list, 17780
National Labor Conference, conventions, etc., adopted, withdrawal of treaty, text, 15064
National labor relations act, *see* Industrial relations.
- National Labor Relations Board:
appropriations, 1967, law, 491
appropriations, 1968—
hearings, 9144, 13841
reports, 10612, 15082
arbitration and N.L.R.B., 2d look (paper), 6937
career in labor-management relations as field examiner, 2748
case developments, quarterly report, 3799
collective bargaining elections, milestone in industrial democracy (remarks), 6939, 8532
decisions and orders, 2749, 5300, 11600, 15594
decisions as seen from inside NLRB (remarks), 17043
decisions, digest, CS-series, 1529, 3204
election reports, 3589
elections, information for voters, 12994
field manual, 15595
general counsel, nomination of Arnold Ordman, hearings, 12421
member, nomination of—
Brown, Gerald A., hearing, 4651
Gausser, Howard G., hearing, 9327
press releases, 3746
report, 12992
statistical summary, quarterly, 3590
weekly summary of cases, 4058
- National Library of Medicine:
bibliography of—
medical reviews, 15597
medical translations, annual index, 14526
catalog—
annual cumulation, 8533
biweekly listing, 3597
cumulative listing, 11601
printed books, 16th century, 15598
general information, 5301
Library Associate Program, curriculum, qualifications, etc., 5302
notes for medical catalogers (periodical), 3639
prints and photographs collection, 14527
National Manpower Resources Board, establish, reports, 10608, 12246
National Marketing Conference:
proceedings, 10465
report, 5961
National Mediation Board:
appropriations, 1967, law, 491
appropriations, 1968—
hearings, 9144, 13841
reports, 10612, 15082
- National Mediation Board—Continued
mediator, examination announcement, 14868
report, 6942
National Mental Health Manpower Studies Committee, meeting, highlights, 2829
National Meteorological Center, ESSA technical memorandum, WBTM NMC series, 12479
National monuments and memorials:
American memorials and overseas military cemeteries, general information, 14787
code of Federal regulations, 9476
see also names of monuments or memorials.
- National Motor Vehicle Safety Advisory Council:
create, report, 645
opening session (remarks), 4455
National Museum:
act of 1966—
law, 392
report, 681
Aradidae (Hemiptera: Heteroptera), notes, 5307
bulletins, 1530, 8535, 9951, 11602, 12996, 14528-531, 15599-600, 17046
Pacific tunicata specimens, descriptions, 9950
proceedings, 2751, 5304-16, 6943-71, 8536-50, 9952-53, 11603-612, 12998-999, 14533-546, 15602-607, 17050-51, 18089
title pages, etc., 13000, 14544-546, 17051
publications, price list, 15671
National Observances and Holidays Commission, establish, report, 7705
National Oceanographic Data Center:
archived data inventory, Arctic and Antarctic supplement, 6996
newsletter, 3598
NODC Ad Hoc Committee and working group activities, summary, 11631
publications, 2770, 6996-97, 8568-69, 11629-631, 14570, 15624
quarterly accessions, computer-produced indexes, 3636
National oceanographic program, 1042
National Park Foundation:
establish—
hearing, 15162
reports, 15006, 15120
National Park Service:
appropriations, 1968, hearings, 7734
historical handbook series, 1533
announcement and order form, 8621
National Capital parks, 1967 activities, 9955
policies and practices for rebuilding used motor vehicle tires, GAO review, 14162
press releases, 3747
programs, briefing session, hearings, 10655
records, preliminary inventory, 14509
seasonal employment, 8562
selection of national parklands and landmarks, criteria, 8554
Yellowstone National Park, elk population, control, hearings, 10803
National parks:
airports, authorization, increase, law, 467
camping fees, facilities, etc., 15610
code of Federal regulations, 9476
heritage to discover, 2184
public use, statistical report, monthly, 3786
selection of national parklands, criteria, 8554
see also names of parks.
- National policy for American education, 10935
National Portrait Gallery, general information, 8564
National poultry improvement plan, *see* Chickens—Poultry.

National Railroad Adjustment Board:
 appropriations, 1968, hearings, 9144
 awards, 2760, 5322, 6988-90, 8565, 9965,
 11621-622, 14556-559, 15614-615,
 17055-56
 report, 6942

National Railway Labor Conference:
 dispute with employees—
 extend period under railway labor act—
 laws, 9040, 10482
 reports 9112, 9279, 10567, 10736
 messages from the President, 9074,
 10511, 10514
 settlement—
 hearings, 10660, 10868
 law, 13534
 reports, 12259, 12267, 12364, 13667
 status of negotiations, hearing, 9328
 emergency board report, 9415

National Reactor Testing Station, hydrology
 of area, 16690

National Register of Scientific and Technical
 Personnel, American science manpower,
 1964, report, 5323

National Research Council:
 report, 1963—
 departmental edition, 6694
 document edition, 6051
 report, 1964—
 departmental edition, 16876
 document edition, 16347

National School Safety Patrol Week, designa-
 te, report, 10778

National Science Foundation:
 act of 1950, amend, reports, 7669, 9106
 administer sea grant colleges and program
 act—
 law, 402
 reports, 632, 679
 administration of contract for operation
 of National Center for Atmospheric Re-
 search, opportunities for improvement,
 GAO report, 16671
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131
 grants and awards, 8566
 report, 1966—
 departmental edition, 8567
 document edition, 7613
 reviews of data on science resources, 2762,
 5325-26
 scientific documentation, information, re-
 quirements, etc., price list, 6916

National search and rescue manual, amend-
 ment, 12124

National security:
 act of 1947, as amended, text, 4630
 do you take security regulations seriously
 enough?, poster, 4681
 don't guess! ask your security supervisor,
 poster, 13927
 Government operations, investigation, au-
 thorization, report, 4609
 internal security act, amend, reports,
 10618, 12263, 16250, 16290
 internal security laws—
 administration, investigation—
 authorization, report, 4619
 hearings and reports, 1961-66, index,
 15168-169
 gaps in, investigations, etc., hearings,
 12418, 13873
 NGR pamphlet, 6934
 let's face it, security is up to you (poster),
 10901
 management—
 correspondence course offered by Indus-
 trial College of Armed Forces, 2422,
 7863
 defense transportation, Military Traffic
 Management and Terminal Service,
 monograph, 16731
 maintenance management in Defense
 Dept., monograph, 17858
 production management, defense mate-
 rial system, monograph, 9608

National security—Continued
 safeguarding freeworld against totali-
 tarian threat (address), 12531
 security is always in season, poster, 7865
 security takes no vacation! (poster),
 13200
 State Department security, 1963-1965,
 administration, investigation, hearings,
 2131
 U.S. life lines, arteries of international
 commerce, 8574
 United States, impact of Chinese Commu-
 nist nuclear weapons progress, report,
 13542
see also National defense.

National Security Agency, appropriations,
 1968, military construction, hearings,
 15016

National Security Seminar:
 presentation outlines and reading lists,
 2423, 15342
 prospectus, 11241

National service life insurance, *see* Life in-
 surance.

National Severe Storms Laboratory, ESSA
 technical memorandum, IERTM-NSSL se-
 ries, 6220-22, 10964, 15231, 16532

National Shipping Authority, current regu-
 lations, index, 11343

National standard reference data series,
 1523, 8524, 17035-36, 18077

National standard reference data system:
 extend service—
 hearing, 12405
 reports, 10601, 14956
 NSRDS news, 8525

National Teacher Corps:
 change name, etc.—
 law, 12176
 reports, 12275, 13643, 13805
 extend and amend program—
 hearings, 7742, 9153, 12419, 17664
 reports, 9118, 10557
 handbook, 9411
 higher education act of 1965, administra-
 tion of programs, 1966, notes and work-
 ing papers, 12422
 missionaries in classroom, 6188

National Traffic Safety Agency:
 establish, report, 645
 initial Federal motor vehicle safety stand-
 ards, Jan. 31, 1967, report on develop-
 ment, 9024

National Traffic Safety Bureau, establish,
 law, 389

National Transportation Safety Board:
 chairman, nomination of Joseph J. O'Con-
 nell, Jr., hearing, 10823
 establish—
 law, 389
 report, 906
 members, nominations of Francis H. Mc-
 Adams, Louis N. Thayer, John H. Reed,
 Oscar M. Laurel, hearing, 10823
 organization and purpose (remarks), 18094
 powers, goals and future (address), 13015
 responsibilities and activities (remarks),
 18093

National Trust for Historic Preservation in
 United States, grants-in-aid for responsi-
 bilities, law, 384

National turkey improvement plan, *see*
 Turkeys.

National UNICEF Day, designate, report,
 9291

National Union Catalog:
 Library of Congress, 1393, 3601
 manuscript collections, 2531
 register of additional locations, 16838

National Visitor Center:
 commission to study facilities and serv-
 ices, create—
 law, 494
 report, 631
 report of National Visitors Center Study
 Commission, 16341

INDEX 1967

- National warning system, *see* Warning systems.
- National Water Commission:
establish—
hearings, 9162
message from the President, 5992
reports, 4613, 12278, 13661
- National Weather Records Center, functions, capabilities, and scope, 13991
- National Wilderness Preservation System, annual report, 7607
- National ZIP code directory, 14609
- National Zoological Park:
concessions, negotiate cooperative agreements granting, law, 476
reorganization—
hearing, 736
report, 2021
- Nationalism, Arab, Soviet view, 9629
- Nationality:
code of Federal regulations, 7976
immigration and nationality act, amend—
hearings, 7751, 17606
law, 474
reports, 678, 688, 876
- Nations, *see* Foreign countries.
- Nation's census taker, 5889
- Native sandhills grasses, 16621
- NATO, *see* North Atlantic Treaty Organization.
- Natural Bridges National Monument, general information, 8559
- Natural convection in ice melting from below, 7378
- Natural gas, *see* Gas.
- Natural History Museum, annual report, 14548
- Natural resources:
agriculture/2000, resources in action, outline of conservation policies, 10200
Alaska, 1139
Alaska and Rampart project, 12636
America's department of natural resources, Department of Interior, activities, etc., 2391
California, 15325
conservation—
and development, FHA loans, 10193
conservation aid series, 8693
conservation information series, 14650
let's urbanize conservation education (remarks), 16713
publications, list, 7051
yearbook, 8207
announcement and order form, 10035
developing, message from the President, 5992
Federal legislation, 1950-66, digest, 13948
High Rock Nature Conservation Center, New York City's educational workshop for children, 13959
management analyst development program, career opportunity, 9586
our environment, reclamation and rehabilitation of strip and surface mining areas, special report, 14201
outdoors USA, agriculture yearbook—
departmental edition, 17325
document edition, 17566
perspectives on natural resources and human resources, seminar, 6597
population growth and earth resources, 14238
ranger arithmetic for—
1st and 2d grade teachers, 2293
3d grade teachers, 2294
4th grade teachers, 2295
5th grade teachers, 4825
6th grade teachers, 11108
7th grade teachers, 2296
resource and conservation development projects, cost sharing grants, report, 16368
resource bulletins, 2335-39, 4857-60, 8121-24, 14146, 15290, 16665-666, 17807-809
- Natural resources—Continued
resource publication (series), 1081, 2280-81, 4808, 6356, 8033-34, 12548, 15267, 16624-626, 17784-785
South Dakota, 8209
third wave, America's new conservation, 8207
announcement and order form, 10035
Wyoming, 2392
see also Land.
- Naturalization:
active-duty service in U.S. Armed Forces, hearings, 7750
becoming a citizen series, 11211, 12629-630
candidates, English and Federal Government, Federal textbook on citizenship, 14190, 17844
candidates, our Constitution and Government, Federal textbook on citizenship, 12631-632
employees of U.S. nonprofit organizations disseminating information that promotes U.S. interest, permit, hearings, 17606
exemption from English language requirement of immigration and nationality act, amend, hearing, 7751
investigation—
authorization, report, 4603
report on findings, etc., 9286
publications, price list, 10040, 15672
requirements and general information, 14192
see also Citizenship.
- Naumann, Robert J., near-earth meteoroid environment, 1512
- Nauru Island, *see* Australia.
- Nautical almanacs, *see* Almanacs.
- Nautical charts, *see* Maps and charts.
- Navajo Dam and Reservoir:
technical record of design and construction, 7103
errata, 8667
- Navajo Indians, rights and interests in certain lands held in trust, determine, report, 13832
- Navajo National Monument, general information, 14551
- Navajo Reservation, royalties from lands, expenditure for health, etc., report, 881
- Naval Academy, Annapolis:
catalog, 5327, 17061
permitting persons from countries friendly to U.S. to receive instruction—
law, 506
report, 692
register, 15617
- Naval Air Systems Command, employment opportunities, 3234
- Naval art and science:
antimechanized operations, 16841
Marine Corps, personnel support, manual, logistics, 6624
naval research logistics quarterly, 3606
- Naval aviation, *see* Aeronautics.
- Naval aviation news, 3605
- Naval bases, advanced, defense, 6625
- Naval ceremonies, honors, and salutes, flags, pennants, customs, change, 18103
- Naval Control of Shipping Organization, training plan for Naval Reserve officers, qualifications and professional development, 5341
- Naval districts, *see* Navy Department.
- Naval education:
educational services manual, 15632
electronics, trainee's guide for fire control technician training, 2776
naval training bulletin, 3611
programmed instructional material, catalog, 18106
reading and writing for success in Navy—
book 1, 2778
book 2, 2779
recruit's day-to-day experiences, 2780
trainee's guide for Naval school, 11666

Naval education—Continued
training equipment and individual differences, study, 9980
training publication for advancement in rating, 11667

Naval engineering:
principles, 7021
specialist program, Naval Reserve, organization, administration, and training guide for naval engineering companies, 11660

Naval establishment, *see* Armed Forces—Navy Department.

Naval Facilities Engineering Command:
design manuals, 2764-66, 13016, 14565-566, 17063-66, 18095
cumulative index, change, 2766
progress report, 6994

Naval history:
chiefs of Naval operations and Admiral's house, 9976
Civil War naval chronology, 1541
naval documents of American Revolution
American theatre, Sept. 3-Dec. 7, 1775,
European theatre, Aug. 11-Oct. 31, 1775,
2773

Naval hospitals:
hospital and medical facilities, design manual, 17064
medical residencies and specialty courses, 1396

Naval installations, *see* Installations (military).

Naval Junior ROTC, *see* Reserve Officers' Training Corps, Navy.

Naval Material Command:
officers, perquisites of office, retaining rank, pay and retirement privileges—law, 454
report, 935

Naval Observatory, publications (series), 11628, 15623

Naval Oceanographic Office:
career opportunities, 1536
chart correction list, 5337, 14582
notice to aviators, index, 9967
publications series, 1537-40, 2771-72, 5328-36, 6998-7006, 8570-73, 9968-75, 11632-645, 13018-23, 14571-581, 15625-630, 17069-77, 18096-102
special publication SP series, 13024
technical reports and special publications, catalog, 11632

Naval officers, *see* Navy.

Naval Operating Base, Newfoundland, ferry service, agreement with Canada, 5534

Naval operations, 13027

Naval Ordnance Systems Command:
employment opportunities, 3235
NAVORD report, 1542
ordnance pamphlet OP series, 7009

Naval Personnel Bureau:
career publication, 3025
personnel administration, functions, etc., 11661
training manuals and correspondence courses, list, 11657, 14585

Naval petroleum reserves, no. 4 and adjacent areas, northern Alaska, 1944-53, exploration (series), 8159

Naval Research Laboratory:
memorandum, report series, 5344
progress in high-power laser research, 1553
progress, report, monthly, 3821
report series, 1548-54, 5345-64, 8586-98, 9983-10018, 11671-681, 13031-36, 14591-597, 15636-638, 17082-96, 18110-114
satellite position display, simplified prediction equations for, 5349
science education program, 17097
terrain clutter study phase 1, 14591
test and evaluation report, 8599

Naval research logistics quarterly, 3606

Naval Research Office, ACR series, 11669, 13030

Naval research reviews (periodical), 3607

Naval Reserve:
chaplains handbook, change, 8580
Fleet Divisions, guide for afloat training, 7017
naval engineering specialist program, organization, administration, and training guide for naval engineering companies, 11660
officers, qualifications and professional development, 5341
officers, retired, register, 1546
Naval reservist (periodical), 3608
Naval schools, *see* Naval education.

Naval Ship Systems Command, technical news (periodical), 3609

Naval stations:
Long Beach, Calif., adjust legislative jurisdiction of U.S. over lands within—
hearing, 16308
reports, 16268, 17625

Naval stores:
act, repeal, hearing, 708
annual report, 11881
demand and price situation, 5660
report, monthly, 3610

Naval Submarine Medical Center:
reports, 9753, 11346-349, 12790-794, 14317-321, 16845
research reported, 1966, summaries, 16846
special reports, 16846

Naval Tactical Data System, use as satellite display, 14593

Naval training, *see* Naval education.

Naval Training Device Center:
publications, index, 2783
technical reports, 2784, 5343, 7024, 8585, 9980-82, 11670, 15635, 18109
training device developments (periodical), 18115
training device guide, 8600, 15639

Naval vessels, *see* Ships—Submarine boats—Warships.

Naval Weapons Bureau:
directory, 3066
employment opportunities, 3236

Navarro, Alfredo A., relief, 10533, 13509, 13753

Navarro, Antonio L., relief, 10723, 16207, 17511

Navarro, Eloy C., relief, 15073

Navarro, Mario P., relief, 304

Navigable waters, *see* Navigation.

Navigation:
act of 1967, proposed draft, 10828
aids, Coast Guard list—
Great Lakes, 9003
Mississippi River system, 9004
aids to navigation manual, appendix, 8999
aids to navigation services of Coast Guard, improve—
hearings, 745
law, 382
reports, 669, 4585

Arkansas River entrance, hydraulic model investigation, 17737

Arkansas River, lock and dam no. 4, hydraulic model investigation, 2221

Belleville Locks and Dam, Ohio River, hydraulic model investigation, 1030

Columbia Lock and Dam, Ouachita River, hydraulic model investigation, 6212

Doppler method in navigational use of artificial earth satellites, USSR, 11280

Holt Lock and Dam, Warrior River, Ala., hydraulic model investigation, 4744

Inertial, application of Kalman filtering to error correction, 6904

Inertial, development and nature, French expert outlines, 9672

laws, equipment, Coast Guard approved lists, 9062

McAlpine Locks and Dam, Ohio River, hydraulic model investigation, 6210

INDEX 1967

Navigation—Continued

- maps, Gulf Intracoastal Waterway, New Orleans, La. to Port Arthur, Tex., etc., 8383
- Millers Ferry Lock and Dam, Alabama River, hydraulic model investigation, 10961
- navigable waters—
 - code of Federal regulations, 6287, 9475
 - pollution of Moriches Bay and eastern section of Great South Bay and their tributaries, conference proceedings, 6339
- notice to mariners, 3641, 7007
- Great Lakes and tributary waters, 3642, 9006
- radio aids—
 - Atlantic and Mediterranean area, changes, 5336, 9974, 11646, 14580, 18102
 - Pacific and Indian Oceans area, changes, 7006, 11647, 17075
- rules of the road—
 - Great Lakes, 221
 - western rivers, 4421
- satellites, future potentials, 11394
- space—
 - accuracy for infrared equipped Apollo aircraft for reentry tracking, 1507
 - Apollo lunar module, linearized error analysis of onboard primary navigation systems, 15556
 - celestial-inertial, for low-thrust interplanetary vehicles, error analysis, 8424
 - manual, theory, 14390
 - midcourse, using statistical filter theory, manual theodolite, and symbolic computer control, 6905
 - sextant, measurements during lunar module rendezvous, analysis, 6903
 - star sensor fields of view determined by analytical approach, 11557
- Tennessee River experience, navigation and economic growth, 5567
- underwater, deep ocean acoustic sources, method for determining location, 8588
- see also* Air navigation—Loran.
- Navigator (periodical), 3612
- NAVNEWS 1967 art portfolio, 7025, 17098
- NAVORD report, 1542
- NAVTRADEVEN, *see* Naval Training Device Center.
- Navy:
 - advancement in rate or rating, manual, 7019, 18107
 - Chief of Naval Operations, appointment, etc.—
 - law, 12164
 - report, 10611
 - civil engineer (periodical), 3613
 - civilian manpower management (periodical), 8602
 - constructing and using achievement tests, guide for instructors, 1544
 - dental administration, manual, changes, 8576, 14584
 - editors, NAVNEWS 1967 art portfolio, 7025
 - addendum, 17098
 - educational services manual, 15632
 - enlisted members, computing retired pay, report, 16270
 - enlisted personnel classification manual, 5339, 14586
 - fabrication, welding, and inspection of machinery, piping, and pressure vessels for ships, military standard, 2154
 - field press censorship, manual, 13293
 - France, hull testing basin, means of experimentation and research, 11258
 - management review (periodical), 3614
 - medical residencies and specialty courses, 1396
 - medicine, statistics, quarterly, 3904
 - messes ashore, manual, 9977

Navy—Continued

- naval operations, 13027
- notice to aviators, 3640
- index, 9967
- nuclear power and Navy (remarks), 7439
- occupations, enlisted programs handbook, 8581
- ocean science program, accomplishments and prospects, 14598
- officers—
 - classifications manual—
 - changes, 2777, 18108
 - cross reference index, 7014
 - professional reading guide, 17079
 - register—
 - departmental edition, 11662
 - document edition, 10501
 - retired, register, 1546
- petty officers—
 - 1 & C, military requirements, Navy training course, 8579
 - 3 & 2 military requirements, Navy training course, 5340
- prime contractors, selling to, 17100
- procurement directives, 3815
- public works management, 2781
- ribbons of decorations and awards (poster), 11663
- seapower, guardian of freedom, 9976
- ship's serviceman 1 and C, training course, 14589
- ship's servicemen's handbook, 14588
- sites, engineering weather data for heating and air conditioning design, etc., 11947
- supplying the Navy, description of total complex, etc., 13029
- systems, electronic equipment packaging, design guidelines manual, 17099
- terminal facilities guide, Defense Supply Agency handbook, 17690
- training publications for advancement in rating, 11667
- treaties and agreements of interest to, compilation, 11291
- U.S., in southeast Asia, report, 10815
- U.S. ships and aircraft, lithographs, 11650
- see also* Naval bases—Uniforms.
- Navy Civil Engineer Corps, *see* Civil Engineer Corps, Navy.
- Navy Department:
 - annual report, 2149
 - appropriations, 1968, military construction, hearings, 15016
 - Chief of Naval Operations, nomination of Thomas H. Moorer, hearing, 15148
 - defense supply system, savings available by eliminating low-cost, low-demand spare parts, GAO report, 17815
 - F-4 aircraft, supply and maintenance support, need for improvement, GAO report, 11147
 - food operations reference manual, increments, 15640-641
 - inventory accounting system for aeronautical equipment, GAO review, 16676
 - Judge Advocate General Office, organization and functions, 15633
 - naval districts, delineate boundaries by law, etc.—
 - hearings, 13695, 16395
 - law, 17555
 - reports, 13684, 13688, 16284, 16371
 - nuclear submarine propulsion equipment procurement under Public law 87-653, GAO report, 16674
 - preserve pay and retirement privileges for former deputy chiefs of bureaus—
 - law, 454
 - report, 935
 - procurement of spare aircraft parts for outfitting aircraft carriers, potential savings, GAO report, 8136
 - public information, direction for commanders, etc., 3209
 - safety review (periodical), 3844

Navy Department—Continued

- Secretary, nomination of—
 Ignatius, Paul R., hearing, 15149
 McNaughton, John T., hearing, 15148
 shipbuilding contracts, price increases,
 GAO review, 2351
 Under Secretary, nomination of Charles
 F. Baird, hearing, 15148
 Navy Nurse Corps, see Nurse Corps, Navy.
 Navy Supply Corps, newsletter, 3616
 NAWAS, see Warning systems.
 NBS, see National Bureau of Standards.
 NDEA, see Education.
 Neal, J. L., pr., two simple, time-saving tech-
 niques for studies of soil micro-organisms,
 16656
 Neal, Luther, jr., turbulent-skin-friction and
 heat transfer charts adapted from Spald-
 ing and Chi method, 11518
 Nealon, Robert J., textile mills, machinery,
 fiber, and fabric consumption, 4272
 Nealy, John E., models for analysis of CN
 violet radiation behind shock waves, etc.,
 9905
 Near-earth meteoroid environment, 1512
 Near East, see East (Near East).
 Near-space environment, 11575
 Nearctic region:
 Gelechiidae, Lita group (Lepidoptera):
 Gelechioidea, revision, 6949
 parasites of genus *Rhyacionia*, key, with
 species annotations, 16649
 Nebraska:
 area measurement reports, 12034
 census of agriculture, 1964, State and
 county statistics, 13405
 census of mineral industries, 1963, area
 statistics, 5832
 climatological data, 3096
 county business patterns, 1867, 12054
 electric rate book, 4775, 16584
 mineral industry, minerals yearbook chap-
 ter, 2559
 ponderosa pine transplants, ten-year
 growth of 2 sources of large grade, 2312
 postal map, 15662
 precipitation data, hourly, 3401
 sedimentary rocks, chemical composition,
 14172
 statehood, 5-cent commemorative post-
 age stamp (poster), 13050
 Nebraska, midstate division, see Missouri
 River Basin project.
 Neches River, chemical quality of surface
 waters of basin, reconnaissance, 17830
 Nectarines, production, use, value, 1965-66,
 by States, 14695
 Need a little help? 8839
 Need for entangling alliances (address),
 6190
 Needed, a team effort, 17841
 Needles, Calif., conveying mineral interests
 to, report, 15003
 The Needles, Utah, regional geophysical in-
 vestigations, 2368
 Neglected majority (address), 7903
 Negotiated contracts, see Government con-
 tracts.
 Negroes:
 colleges and universities, directory, 9679
 graduates of predominantly Negro col-
 leges—
 class of 1964, special report, 14625
 directory, 2483
 housing discrimination (statement), 13057
 in apprenticeship, 16793
 in the West—
 family, 15453
 social and economic conditions, 15453
 occupational progress, 16829
 plight in today's ghetto (remarks), 17841
 population—
 estimates by age and sex, 10365
 Mar. 1965, characteristics, 176
 Mar. 1966, characteristics, 4348

Negroes—Continued

- prose, poetry, and black power (address),
 9407
 pupils, enrollment in Southern and bor-
 der States, 4711
 success in employment, 15223
 woman, in U.S., new roles, new challenges
 (address), 1668, 10142, 17296
 workers, impact of changing economy,
 statistics, 16831
 Nehmer, Stanley:
 address, etc.—
 May 9, 1967, 10470
 Sept. 13, 1967, 16111
 Neilburg, Samuel C., relief, 359
 Neighborhood Youth Corps:
 amendments to economic opportunity act—
 law, 498
 narrative summary, 9382
 enrollees with epilepsy, project sponsors
 guide to placement, 2488
 fact sheets, 4632, 10907
 from world of poverty to life of hope,
 6390
 in inner-city, 14729
 national conference, report, 1352
 NYC project sponsors, directory, 2486
 to choose or not to choose (address), 17298
 Neighborhoods:
 facilities, enriching community life, Fed-
 eral assistance program, 2350
 health centers—
 demonstration program, general infor-
 mation, 9383
 questions and answers, 7877
 low-income neighborhoods, strengthening
 community services, field guide to con-
 certed services, report of joint task
 force, 17840
 model neighborhoods—
 in demonstration cities, program guide,
 4909
 under demonstration cities act, 6430
 neighborhood center, community action,
 2164
 poor, prices, 14305
 service centers, 5595
 Nellac program, see Electronic computers.
 Nelson, Alice F., foreign agriculture, includ-
 ing foreign crops and markets, 3344
 Nelson, Arne B.:
 chronic illness among residents of nursing
 and personal care homes, 11764
 prevalence of chronic conditions and im-
 pairments among residents of nursing
 and personal care homes, 14639
 Nelson, Arthur, image interpreter reference
 and auxiliary information, 4226
 Nelson, Arthur E., Cretaceous and Tertiary
 rocks in Corozal quadrangle, northern
 Puerto Rico, 1112
 Nelson, Donald J., jr., environmental radia-
 tion surveillance, 10048
 Nelson, Howard D., use of malathion-treated
 drying trays to protect raisins from in-
 sects during drying and storage, 15859
 Nelson, James B., determination of kinetic
 parameters of 6 ablation polymers by
 thermogravimetric analysis, 9896
 Nelson, John T., relief, 9231
 Nelson, Morland W., water supply outlook
 and Federal-State-private cooperative snow
 surveys for Idaho, 4046
 Nelson, Ralph D., jr., selected values of elec-
 tric dipole moments for molecules in gas
 phase, 17035
 Nelson, Robert E., plantation timber on
 Island of Hawaii, 4858
 Nelson, S. S., model membrane studies re-
 lated to ionic transport in biological sys-
 tems, 6443
 Nematode worms, plant-parasitic nematodes
 associated with forest trees, world dis-
 tribution, 16645

- Nemikol-5, treatment of dogs after lethal doses of sarin and soman, changes in conditional reflex activities, Bulgarian study, 6563
- Nemoto, Edwin M., carotid and femoral artery blood flow in hyperthermic cats, 5710
- Neodymium, metals, high-purity, electro-winning from their oxides, 11384
- Neon:
- dilute, viscosity and thermal conductivity coefficients, 11589
 - helium-neon laser discharge parameter study, 17086
- Neon isotopes:
- abundance in natural gases, rel. to helium genesis, 9785
 - cancel errors in gas laser, 5226
- Neotropical region:
- microlepidoptera, revision of genus—*Idolatteria*, 8538
 - Pseudatteria*, 6944
- Nepal:
- accessions list, Library of Congress American Libraries Book Procurement Center, New Delhi, 3618
 - background notes, 15757
 - capsule facts for Armed Forces, 17370
- Nephelines, sintering, USSR study, 9645
- Nephritis, see Pyelonephritis.
- Neridae, see Flies.
- Nerves:
- autonomic periphery, structure and reactive properties, USSR study, 12716
 - characteristics of neuronal structure and synapses in brain stem and spinal cord and their significance in carnivores, USSR study, 12711
 - higher neural activity, USSR conference, 15384
 - mitochondrial nerve cells, electron microscopic investigation, USSR study, 15348
 - neuron differentiation in different parts of rabbit brain, USSR cytochemical study, 14221
 - photodiffusion in nerve cells under effect of local and irradiating excitation, USSR study, 14259
 - sympathetic ganglion cells and acridine orange-DNA complex spectra, USSR studies, 12702
- Nervous system:
- biochemistry, 4th all-Union conference, 1336
 - central—
 - dog, following rapid decompression to 1 mm.Hg, residual pathologic changes, 1743
 - effect of electromagnetic and magnetic fields, 14504
 - functions, effect of space-flight factors, 12973 - effect of high and low afferentation on human organism from viewpoint of space psychophysiology, USSR studies, 1345
 - information and the nervous system, USSR study, 14250
 - neurological impairments, estimated range and cost of disability, 11745
 - neuropathology development in Tadzhikistan, 4983
 - problems of neurochemistry, USSR studies, 4996
 - self-regulation of higher nervous activity, USSR study, 17880
- Nesbitt, John A., remarks, Apr. 27, 1967, 11705
- NESC, see National Environmental Satellite Center.
- Neshaminy Creek, watershed project, hearing, 12427
- Nests, trap-nesting wasps and bees, life histories, etc., 8685
- Neth, Rosemarie G., relief, 12333, 16193
- Netherlands:
- amateur alien radio operators, authorization to operate, agreement, 8740
 - Educational Foundation and financing of exchange programs, agreement, 11861
 - establishing business in, 12138
 - mineral industry, minerals yearbook chapter, 11362
- Netherlands Antilles:
- background notes, 15758
 - foreign trade regulations, 13460
- Nets, see Fish nets.
- Networks:
- gratings and networks of aluminum ribbons as radio reflectors, 16902
 - meteorological rocket network firings, data report (periodical), 1032, 3190
 - parallel-T, use for developing quadrature voltages at variable frequencies, 5361
 - planning, algorithm for solution of resource distribution problem, 17868
 - recovery, orbital recovery problem, rapid determination of return and lateral-range for recall, analysis technique, 12969
 - spinning paraboloidal tension networks, 16903
 - see also Electric networks.
- Netzeband, F. F., mineral industry of Texas, 6667
- Neuman, Robert B.:
- bedrock geology of Shin Pond and Stacyville quadrangles, Penobscot County, Maine, 17825
 - silicified Ordovician brachiopods from Kentucky, 16697
- Neumeler, Leander A., tungsten-cobalt system for compositions to 85 atomic percent cobalt, 12816
- Neurochemistry, problems, USSR studies, 4996
- Neurodermatitis patients, treating with electrosleep and hypnosis, USSR excerpt, 17874
- Neurological diseases, see Nervous system.
- Neurological Diseases and Blindness, National Institute of, see National Institute of Neurological Diseases and Blindness.
- Neurology:
- National Institute of Neurological Diseases and Blindness, information network, 15699
 - neural sciences, translations, 1950-60, bibliography, 17137
- Neuromuscular disorders, progress in research, 18180
- Neurons, see Nerves.
- Neuropathology, see Nervous system.
- Neurophysiology:
- USSR conference, 15384
 - USSR experiments, 1325
- Neuropsychiatry:
- in World War II, zone of interior, 18311
 - mentally restored, interviewing guides for specific disabilities, 10944
- Neutrality, neutralization in southeast Asia, problems and prospects, 2116
- Neutron activation and analysis, see Radio-activation analysis.
- Neutron radiative capture, thermal neutrons, prompt gamma rays, 5776
- Neutron spectrum, see Spectra.
- Neutron transmutation, doping, semiconductor devices, fabrication, 12010
- Neutrons:
- americium-beryllium neutron sources, fabrication, apparatus prevents capsule contamination, 14366
 - bombardment, influence on certain properties of tungsten, USSR study, 15389
 - computer program BARI-QUIR 111 provides solution of steady-state, multi-group, 2-dimensional neutron diffusion equations, 17927
 - differential, thermalization, summary report, 13323

Neutrons—Continued

- diffractometer allows both magnetic and crystallographic analyses, 12835
 effective delayed fraction, measurement for NASA Zero Power Reactor 1, 2694
 embrittlement of—
 higher strength steels, 5356
 reactor pressure vessel steels, exposure criteria, 5355
 exposure, pressure vessel wall of A 302-B steel, through-thickness notch ductility and tension properties, 17093
 fast-neutron spectrometer, advanced design, 2669
 Halpern-type detector, study, 11592
 intense neutron sources, seminar, proceedings, 13315
 lightweight shield material, provided by aluminum-titanium hydride-boron carbide composite, 16878
 noise, waves, and pulse propagation symposium, proceedings, 12003
 plutonium-beryllium, ages, in tungsten-water media, 1502
 production by fusion in class of anisotropic plasmas, 5347
 real and adjoint flux for NASA zero power reactor (ZPR-1), transport study, 11535
 resonance absorption, calculation in 2-region problems, GAROL code, 15486
 resonance integrals of separated tungsten isotopes, 9914
 sources, practicability of production and application in Yugoslavia, 4980
 thermal, image intensifier tube provides brightly visible radiographic pattern, 17921
 thermal, prompt gamma rays from radiative capture, 5776
- Nevada:
 area measurement report, 5813
 census of agriculture, 1964, State and county statistics, 7510
 census of manufactures, 1963, area statistics, 161
 census of mineral industries, 1963, area statistics, 4293
 climatological data, 3096
 compositionally zoned ash-flow sheet in southern region, 1120
 county business patterns, 173, 12055
 early Indian tribes of Lower Plateau, 6437
 electric rate book, 4776
 mineral industry, minerals yearbook chapter, 8358
 precipitation data, hourly, 3401
 radioactivity, airborne, 1953-56, maps, 1801
 southern, Upper Triassic and Triassic (?) formations, correlation, 6393
 water supply—
 fall summary, 17205
 outlook and snow surveys, 4048
- Nevinson, John I., origin & early history of the fashion plate, 14531
 Nevis, see Leeward Islands.
 New, John C., environment-simulation testing for spacecraft, 11549
 New act of faith, remarks, 7438
 New benchmark production measures, 12533
 New Brunswick Laboratory, research progress report, 13332
 New Caledonia, mineral industry, minerals yearbook chapter, 9759
 New Crops Research Branch, plant material introduced, 8810, 15828
 New directions, pamphlet for prospective retirees from foreign affairs agencies, 8721
- New England:
 climatological data, 3096
 commercial fisheries, 15255
 cost study of general freight transportation, 9604, 11234
 fisheries, annual summary, 9503

New England—Continued

- labor and economy, 1966, year-end report, 16828
 NE regional reports, 16828
 northern, vacation home study, 18116
 offshore fisheries, brief history, 8021
 precipitation data, hourly, 3401
 regional economic research and planning review, 7871
 southern, aeroradioactivity survey and areal geology, 1778
 southern coast, Sphaeronellopsis monothrix and host Parasterope pollex, new crustaceans, 15605
- New England Regional Commission, Federal cochairman, nomination of John J. Linnehan, hearing, 4657
 New Era (periodical), 3620
 New era for America's waters, 6342
 New Guinea, mineral industry, minerals yearbook chapter, 9759
- New Hampshire:
 area measurement report, 1831
 census of agriculture, 1964, State and county statistics, 5903
 census of manufactures, 1963, area statistics, 162
 census of mineral industries, 1963, area statistics, 5833
 county business patterns, 13375
 electric rate book, 1056
 minerals industry, minerals yearbook chapter, 2560
 postal map, 5392
- New Haven, Conn., area wage survey, 11312
- New Hebrides:
 Geniostoma, description, title page and index, 17048
 mineral industry, minerals yearbook chapter, 9759
- New Jersey:
 area measurement report, 4268
 census of agriculture, 1964, State and county statistics, 7504
 census of manufacturers, 1963, area statistics, 1844
 census of mineral industries, 1963, area statistics, 5834
 climate, 9426
 climatological data, 3096
 commercial egg-producing farms, costs and returns, 16489
 congressional districts, 90th Congress, 5900
 correlation of littoral transport with wave energy along shores, 7925
 errata, 10954
 county business patterns, 4313, 13376
 electric rate book, 2251
 family and property laws, summary, 10138
 hydrology and ecology, Pine Barrens (series), 6408
 landings, fish and shellfish, 3621, 12540
 mineral industry, minerals yearbook chapter, 1401
 northern, resources of yttrium and rare earths, reconnaissance, 6674
 Pine Barrens, distribution of roots and rhizomes in different soil types, 6408
 precipitation data, hourly, 3401
 radium cases, epidemiological follow-up, progress report, 10301
 Upper Silurian and Lower Devonian stratigraphy, 11167
 yellow-poplar, treatments needed to regenerate, 17804
- New life for the blind, 17184
- New Mexico:
 census of agriculture, 1964, State and county statistics, 10397
 census of mineral industries, 1963, area statistics, 5835
 climatological data, 3096
 county business patterns, 12056
 electric rate book, 9458
 fluorspar deposits, 2540

INDEX 1967

- New Mexico—Continued
 forest resource, 2335
 ground water resources of southern part of Jicarilla Apache Indian Reservation and adjacent areas, 17829
 highway safety study, Operation 66, joint engineering-enforcement project report, 1594
 mineral industry, minerals yearbook chapter, 6661
 postal map, 5393
 precipitation data, hourly, 3401
 radioactivity, airborne, 1953-56, maps, 1801
 statue of Dennis Chavez, acceptance, proceedings, 4570
 war on poverty, examination, hearings, 12420
 water supply outlook and snow surveys, 4045
- New Orleans, La., area wage survey, 11322
 New shapes for Ivory towers, 7904
- New York City:
 area wage survey, 16817
 City University of New York, Queens College commencement (address), 11197
 Cotton Exchange, futures trading and open contracts in cotton, wool and wool tops, 3366
 economic problems, some aspects, statistics, 15455
 fresh fruit and vegetable prices, 10203
 High Rock Nature Conservation Center, 13959
 Mercantile Exchange, futures trading and open contracts in potatoes and butter, 3367
 port, facilities maps, 9421
 port, general data, 4736
 Produce Exchange, futures trading and open contracts in cottonseed oil and soybeans, 3366
 women, counseling and vocational guidance services, 5599
- New York State:
 area measurement reports, 10337
 census of agriculture, 1964, State and county statistics, 7503
 census of manufactures, 1963, area statistics, 1845
 census of mineral industries, 1963, area statistics, 5536
 climatological data, 3096
 correlation of littoral transport with wave energy along shores, 7925, 10954
 county business patterns, 4314, 12057, 14821
 electric rate book, 12511
 family and property law, summary, 10139
 landings, fish and shellfish, 3628, 14054
 mineral industry, minerals yearbook chapter, 5118
 precipitation data, hourly, 3401
 prekindergarten program, 13962
 southeastern, aeroradioactivity survey and areal geology, 1778
 southeasternmost, Upper Silurian and Lower Devonian stratigraphy, 11167
 women workers, 1670
- New York Stock Exchange, 175th anniversary observance symposium (remarks), 11058
- New Zealand:
 amateur alien radio operators, authorization to operate, agreement, 17232
 artifacts, from U.S. transit of Venus expedition, 6972
 background notes, 14666
 capsule facts for Armed Forces, 17369
 health information for travel, 13078
 lights and fog signals, list, change, 1537, 7004, 11642, 18099
 livestock and meat industry, 11097
 loan of vessel, extension, agreement, 15771
 mineral industry, minerals yearbook chapter, 8359
- New Zealand—Continued
 sailing directions, change, 18098
 Newark, N.J., area wage survey, 11326
 Newcomb method, *see* Mathematics.
 Newcome, Roy, Jr.:
 development of ground-water supplies at Mississippi Test Facility, Hancock County, Miss., 8183
 ground-water resources of Pascagoula River basin, Miss. and Ala., 11190
- Newell, Homer E.:
 astronomy in space, 8434
 NASA's space science and applications program, 12877
 paper, Feb. 28, 1967, 6913
 recommended national program in weather modification, 9450
- Newhall, Alfredo Reboredo, *see* Reboredo-Newhall, Alfredo.
- Newman, Allen L., soil survey of Kinney County, Tex., 11806
- Newman, Jerry O., economical and efficient heating system for homes, 15874
- Newport, Ohio, Mitchell and Berea sands, Lower Newport field, secondary recovery of oil by waterflooding, 14361
- Newport News, Va., area wage survey, 16816
- News digest:
 Federal Power Commission, 3629
 Securities and Exchange Commission, 3630
 News for farmer cooperatives, 3631
- News letters:
 consumer relations, 3146
 Equal Employment Opportunity Commission, 3633
 Federal Library Committee, 3337
 Head Start Project, 3392
 Job Corps staff, 3454
 medical, Medicine and Surgery Bureau, 3547
 Navy Supply Corps, 3616
 NBS publications, 3617
 Paris Air Show, 8226
 President's Council on Physical Fitness, 3634
 rural areas development, 3841
 State Department, 3199
 State Technical Services Office, 3896
 United States National Commission for UNESCO, 3986
 USDA employee, 4012
- News releases, *see* names of departments, etc., Issuing releases.
- News summary, Federal Trade Commission, 3329
- Newsletters, *see* News letters.
- Newsman's privilege, 2129
- Newspapers, microfilm, list, S329
see also Press.
- Newtonian fluid, *see* Fluids.
- Nez Perce National Historical Park, general information, 1535
- Nguyen Tran Van, *see* Tran Van Nguyen.
- Niagara County, N.Y., population, special census, 16019
- Nicaragua:
 amateur alien radio operators, authorization to operate, agreement, 7159
 mineral industry, minerals yearbook chapter, 14331
 records of Dept. of State, microcopy pamphlet to accompany, internal affairs, 18062
- Nicholls, Harry R., effect of charge diameter on explosive performance, 2570
- Nichols, George C., basic research, applied research and development in industry, 2761
- Nichols, Paul R.:
 striped bass, 1076
 tagging summary of American shad, *Alosa sapidissima* (Wilson) and striped bass, *Morone saxatilis* (Walbaum), 8037
- Nichols, Vernon M., relief, 773
- Nichols, William O., T.I.D.E. [Testing, Information, Discussing, and Evaluating], promising demonstration project, 7923

Nicholson, David E., vibratory compaction of mine hydraulic backfill, 9774
 Nickel:
 alloys, corrosion resistance in nuclear reactor superheaters, 9797
 alloys for use at cryogenic temperatures, excellent spring properties developed, 17930
 base sandwich construction, edgewise compressive properties at elevated temperatures, 8102
 disposal from national stockpile—
 hearings, 722, 7738, 10808
 law, 453
 reports, 687, 936, 9117
 duties, continue suspension—
 law, 12182
 reports, 9099, 13797
 electroless plating on stainless steels and aluminum, 5202
 Hastelloy-X, weld procedure produces quality welds for thick sections, 14364
 identification marking, nickel and alloys, Federal standard, 16603
 mineral industry survey, monthly, 3635
 minerals, magnetic susceptibility, 17911
 packing defects in nickel powders, USSR study, 12712
 Raney, technology, 14418
 Nickel-cadmium cells, see Storage batteries.
 Nickel oxide, powder, photodesorption of oxygen from, 16995
 Nicks, Oran W., review of Mariner IV results, 14402
 Nicol, Elizabeth H., confidence in recall in paired-associate learning experiments, 13262
 Nicolls, John S.:
 deep and/or rapid fading phenomena in strictly line-of-sight UHF/SHF propagation, 6225
 fading statistics on 212-km line-of-sight overwater radio path at 1760 MHz, 6224
 Niederkorn, Donald N., college course, basic statistics, study guide, 9362
 Nielson, Lyman J., inventory of research in water pollution and related fields, Columbia Basin and Pacific Coast States, 15254
 Nielson, M. W., procedures for screening and testing alfalfa for resistance to alfalfa seed chalcid, 14733
 Nielson, Thomas H., nomination, hearings, 17639
 Niger:
 background notes, 18224
 Chad boundary, study, 1633
 labor conditions, 1385
 Nigeria:
 labor conditions, 1386
 mineral industry, minerals yearbook chapter, 6662
 nutrition survey, 7088
 Nigh, June, activities of Foreign Affairs Committee, 89th Congress, 4536
 Night vision, see Sight.
 Nightwear, knit, current industrial reports, 3170
 NIH, see National Institute of Health.
 Nike system, see Missiles.
 Nikolayevsk, Russian SFSR, shipbuilding plant reviews its progress, 15368
 NIMH, see National Institute of Mental Health.
 NINDB, see National Institute of Neurological Diseases and Blindness.
 Niobium:
 columbium and tantalum alloy development, 11389
 columbium-base alloys, study, 14344
 mass transfer in stainless steel-Ch-1Zr-potassium system, and effect of stabilization of carbon and nitrogen in stainless steel, 12864
 superconducting, ultrasonic attenuation, 5273

Niobium—Continued
 tensile and creep-rupture properties, nitrogen effect, 10000
 Nishasbotna River:
 Extra, Iowa, vicinity, engineer report—
 departmental edition, 13080
 document edition, 13556
 Nitrates, of nitrogen-containing bases, USSR study, 2458
 Nitric acid, manufacturing processes, atmospheric emissions, 5428
 Nitrogen:
 alkali-metal vapor mixture, equilibrium thermodynamic properties, at high temperature, 16974
 bases containing, nitrates and perchlorates, USSR study, 2458
 combustibility of materials in oxygen-hellum and oxygen-nitrogen atmospheres, 5706
 dilute, viscosity and thermal conductivity coefficients, 5293
 effects as pressurants in nitrogen tetroxide transfer, 9847
 effects of injection into boundary layer on graphite surface in high-temperature dissociated airflow, 12964
 effects on—
 flammability of materials in hyperbaric atmospheres, 11675
 tensile and creep-rupture properties of niobium, 10000
 transit temperature and market quality of western lettuce shipped in piggy-back trailers, 5644
 equation of state for helium-nitrogen mixtures, 8374
 fertilization, 5 years in sweetgum-oak stand, 2321
 fertilizer supply, 8819
 foliar nitrogen in fertilized loblolly pines, 8094
 gas, zero pressure thermodynamic properties, 6636
 liquid—
 performance of hubless pump inducer, 6860
 pure, vapor pressure, 6639
 reclamation system, 18007
 use in determining wear and friction of polymer laminates, 2693
 megawatt dc arc heating, experimental investigation, 5205
 metabolism in brain of rats under impulse accelerations, USSR study, 1167
 mobilization resulting from conditions of inactivity in Macaca trus monkeys, study, 5707
 nitrogen-oxygen mixture, vibrationally relaxing, centered one-dimensional unsteady expansion, 6858
 requirements of normal adults residing at 4300 meters for 28 days, 14806
 retention and growth of cattle, effects of protein and energy intake, 1723
 stabilization in stainless steel and its effect on mass transfer in stainless steel-Ch-1Zr-potassium system, 12864
 titanium alloys, electrorefining, 2582
 washout curves, computer solution, evaluation, 15894
 Nitrogen dioxide:
 fumes from explosives, rapid colorimetric method for field determination, 14338
 nitrogen dioxide-nitrogen tetroxide, effect on oxyhemoglobin dissociation, 13270
 Nitrogen fluorides, unknown NF molecule, ground, ionized and excited states, 5181
 Nitrogen isotopes:
 abundance in natural gases, rel to helium genesis, 9785
 (d, α) reactions on nitrogen 15, interpretation, 9873
 Nitrogen oxides, production, flame characteristics causing air pollution, 8378

- Nitrogen tetroxide:
disposal unit, combustion production emitted, 11515
nitrogen dioxide-nitrogen tetroxide, effect in oxyhemoglobin dissociation, 13270
transfer from one vessel to another at higher elevation, effects of helium and nitrogen as pressurants, 9847
- Nitze, Paul H., nomination, hearing, 15148
- Nixie tube display unit employs time-shared logic, 5149
- Nixon, Roy W., growing dates in United States, 29
- NLRB, *see* National Labor Relations Board.
- NMR (nuclear magnetic resonance), *see* Nuclear magnetic resonance.
- No laughing matter, cartoonist focuses on air pollution, 5450
- No picnic, 11746
- Noble gases:
chemically inert gases, effect on oxygen consumption in living tissues, 5708
chemistry, 17408
inert, effect on oxygen uptake in mice, 76
space-cabin atmospheres, physiological factors of inert gases, 9823
- Nobles, R. W.:
height growth of mahogany seedlings, St. Croix, V.I., 12575
killing unwanted West Indies mahogany trees by peeling and frilling, 12573
mowing understory vegetation in young teak plantation, 12574
root pruning of mahogany nursery stock, 12572
- Nobles of Mystic Shrine, *see* Ancient Arabic Order of Nobles of Mystic Shrine.
- Nobo y Pividal, Rafael J., relief, 9215, 10530
- Nobody wanted school desegregation, 15213
- Noctilucent clouds, *see* Clouds.
- Noctuidae, *see* Euseptis Hübner.
- Noda, Esteban Fernández, *see* Fernández Noda, Esteban.
- NODC, *see* National Oceanographic Data Center.
- Noe, Frank E.:
mineral industry of Colombia, 11360
regional mineral industry review of Latin America, 12813
- Noffsinger, T. L., agrometeorological progress in United States, 11900
- Noise:
aircraft—
insulating houses, study, 14188
interaction of single-stage axial-flow compressor, contribution of downstream stator, 9882
multiengine jet transport, noise-abatement approach profiles, NASA research, 12956
references, 4753
supersonic jets, prediction of near field noise, 14400
take-off/climbout profiles of 4-engine turbojet transport airplane, 2699
turbojet engine having choked inlet flow, measurement, 11499
upstream flow discontinuities influence on acoustic power radiated by model air jet, 6714
edge-type connectors evaluated by electrical noise measurement, 11462
finite amplitude acoustic pressure wave, define propagation characteristics, 8421
FM modulation of CW laser beam, 6710
heart rate response to, of anesthetized and unanesthetized dogs, 4180
helicopter rotor noise reduction, tip vortex core thickening, application, 4220
industrial, guide to its evaluation and control, 17152
neutron noise, symposium, proceedings, 12003
probability distribution, 1st and 2d order, measuring system devised, 17085
- Noise—Continued
random excitation, rectangular plates, maximum response, 16892
rocket engines, acoustic prediction methods, 1422
shipboard, reduction and control, USSR studies, 6498
space vehicles, random noise and vibration, 17705
see also Sonic boom.
- Noise-rejection coding of digital teletype communications in complex automatic hydrometeorological telemetering systems, USSR, 8275
- Noise suppressors, acoustic liners to suppress screech in rockets, 6870
- Noland, Michael C., high-velocity metalworking, survey, 11428
- Noll, Richard B., theoretical dynamic analysis of landing loads on vehicle with tricycle landing gear, 14472
- Nolo contendere and private antitrust enforcement, hearings, 13875
- Nomenclature, automatic electronic test and checkout, definition of terms, military standard, 7861
- Nominations, Academy of Medical Sciences, USSR, 5022
see also names of persons.
- Nomography (mathematics):
Army manpower policy evaluation, 4227
- Nonappropriated funds, instrumentalities act, regulations for compensation, 1018
- Noncalorie sweeteners, their position in sweetener industry, 10916
- Noncash items, collection, regulation, revocation, 14043
- Nondestructive test method accurately sorts mixed bolts, 2679
- Nondestructive testing, trends and techniques, 11430
- Nonfat dry milk, *see* Milk.
- Nonferrous castings, *see* Castings.
- Nonferrous metals, *see* Metals.
- Nonlinear equations, *see* Equations.
- Nonlinear flexural vibrations of thin-walled circular cylinders, 14482
- Nonlinear theories, space flight control systems, nonlinear, 15498
- Nonmagnetic, explosive actuated indexing device, 11496
- Nonmetals:
industries—
employment and injuries, 8338
Federal metal and nonmetallic mine safety act, report, 647
injury experience, 9756
review, minerals yearbook chapter, 6689
technologic trends, minerals yearbook chapter, 5136
materials, Federal item identification guides for supply cataloging, supplements, 3291
minor, minerals yearbook chapter, 8371
- Nonmetropolitan delinquency, action program, 11906
- Nonprofit organizations:
and their employees, social security, how it works, 5505
employees disseminating information that promotes U.S. interest, permit naturalization, 17606
food donation programs, audit extent, GAO report, 8149
loans for senior citizens housing, 2383
pension plans, tax treatment, report, 15093
- Nonprofit-sponsored housing for open occupancy, 8202
- Non-proliferation treaty, why?, 15926
- Nonwhite population:
educational attainment of women, fact sheet, 13185
women workers, fact sheet, 5601
- Noonsack Indians, judgment funds, disposition, law, 379

- Nordtvedt, Kenneth, jr., manual space navigation, theory, 14390
- Norepinephrine, decaborane-mediated norepinephrine depletion, reversal by methylene blue, 1730
- Norfolk, Va., area wage survey, 16816
- Norfolk County, Mass., Norwood quadrangle geology, 6389
- Norfolk-Island-pine, *see* Pine.
- Norfolk Naval Shipyard, employees, relief, report, 4587
- Norloff, Paul A., establishing business in United Kingdom, 17476
- Norman, Edgar C., summaries of fast reactor fuels and materials development programs, 4238
- Norman, Leland C., Gemini land landing system development program, 6901-2
- Norris, John D., conical pressure probe performance, 5230
- Norris, L. Fredrick, submicron powder blending methods for dispersion alloys, 6880
- North America:
- chalcid flies, revision of genus, 8536
 - civil divisions, geographic report, 17223
 - east coast—
 - lights and fog signals, list, changes, 5331, 9972, 14578
 - 1968 tide tables, 12119
 - geology, abstracts, 2980
 - Hymenoptera of America north of Mexico, synoptic catalog, 7267
 - livestock, foot-and-mouth disease menace, control and eradication program, 7252
 - mineral industry, regional review, minerals yearbook chapter, 11368
 - northeastern, Hemichytheridae and Trachyleberididae (Ostracoda), classification and distribution, 8174
- Pacific Coast—
- surface water temperature and density, 17466
 - tidal current tables, 16087
 - soldier fly larvae in America north of Mexico, 6957
 - west coast—
 - lights and fog signals, list, changes, 1537, 7004, 11642, 18099
 - tide tables, high and low water predictions, 7555
- North Atlantic slope basins, *see* Atlantic States.
- North Atlantic Treaty Organization:
- Atlantic alliance—
 - current views, 10838
 - unfinished business, 6108
 - common infrastructure program, U.S. participation, investigation, report, 2634
 - economic side (remarks), 10124
 - emergency war surgery handbook, Spanish edition, 9366
 - headquarters of Deputy Commander, Allied Forces in Europe, agreement with France, 7170
 - parliamentarians' conference, 1966, report of U.S. delegation, 9311
 - Soviet view (speech), 9317
 - status of forces treaties, international law studies, 11683
- North Carolina:
- area measurement reports, 17422
 - Beaufort Inlet to Bogue Inlet, hurricane survey, engineer report—
 - departmental edition, 2203
 - document edition, 1996
 - Bogue Inlet to Moore Inlet hurricane survey, engineer report—
 - departmental edition, 2204
 - document edition, 1997
 - census of agriculture, 1964, State and county statistics, 16037
 - census of manufactures, 1963, area statistics, 1846
 - census of mineral industries, 1963, area statistics, 5837
- North Carolina—Continued
- climatological data, 3096
 - coastal plain, tobacco farms, commercial costs and returns, 13943
 - county business patterns, 4315, 13377
 - landings, fish and shellfish, 3638, 17771
 - mineral industry, minerals yearbook chapter, 5119
 - minor elements in alluvial magnetite from Inner Piedmont belt, 8172
 - Ore Knob copper deposit, 15310
 - Outer Banks, dune stabilization with vegetation, 16523
 - precipitation data, hourly, 3401
 - soil survey laboratory data and descriptions, 18216
 - textile jobs for non-whites, etc., opportunities, 13994
 - timber resource survey, 2338
- North Cascades National Park:
- establish—
 - hearings, 15163
 - report, 17631
- North Central Forest Experiment Station, publications, 1966, list, 14086
- North central region, *see* Central States.
- North Dakota:
- area measurement report, 8928
 - census of agriculture, 1964, State and county statistics, 10393
 - census of mineral industries, 1963, area statistics, 4294
 - climatological data, 3096
 - county business patterns, 1868, 12058
 - District Court, Williston, additional place, report, 12395
 - electric rate book, 4777
 - mineral industry, minerals yearbook chapter, 8360
 - postal map, 5394
 - precipitation data, hourly, 3401
 - public lands, use of income for schools, etc—
 - law, 12177
 - reports, 10733, 12262
 - sedimentary rocks, chemical composition, 14172
 - women, new horizons, conference report, 5606
- North Korea, *see* Korea.
- North Little Rock, Ark.:
- area wage survey, 1361, 17896
 - population, special census, 10366
- North Nashua River:
- and tributaries, engineer report—
 - departmental edition, 4734
 - document edition, 4569
- North Pacific Ocean, *see* Pacific Islands.
- North Sea:
- eastern shores, sailing directories, change, 6999
 - lights and fog signals, list, changes, 5334, 11644
- North Vietnam, *see* Vietnam.
- Northeast (U.S.):
- dairy farms, commercial, costs and returns, 16488
 - increasing water yield by management of forested watersheds, 14136
 - Northeast Corridor transportation project, design for impact studies, 1938
 - power failure of Nov. 9 and 10, 1965—
 - analysis and recommendations, 14030
 - final report to the President, 14030
 - hearings, addendum, 2053
 - studies of task groups on power interruption, 14030
 - pulpwood production, 4857, 8122, 14146, 17807
 - soil and water conservation research, 38
 - wildlife refuges, 1078
- Northeastern Forest Experiment Station:
- annual report, 17800
 - forest-inventory data-processing system, 11134

- Northeastern Forest Experiment Station—
Continued
Forestry Science Laboratory, Morgantown,
W. Va., purpose, work, etc., 14084
publications, list, 11135
Northern Forest Fire Laboratory, forest fire
research since 1960, publications, 8058
Northern Hemisphere, see Hemisphere,
Northern.
Northern Utilization Research and Develop-
ment Division:
publications and patents, list, 7253
publications list, new crops, 13199
Northfield School, East Northfield, Mass.,
carillon, duty-free entry, 7650, 14884,
16353
Northwall, Carolyn I., personnel management
and training, supplement 1, 10230
Northwest (U.S.):
balsam wooly aphid, infestation character-
istics, 4852
current discharge at selected stations,
3907
forest industries, production, prices, em-
ployment, and trade, 3774
forest insect conditions, 8053
forested lands, development (remarks),
8210
how to see, 1658
lead-zinc industry, analysis, 11352
month-end storage in major reservoirs,
3907
national forests, 15279
nuclear power and Northwest (remarks),
1817
Pederson process adaptation to ferruginous
bauxites, 9788
precipitation and temperature, monthly,
3669
precipitation, probable maximum, 5594
range-plant symbols, list, 14141
river temperatures, 3839-40
search for better kinds of trees, Wind
River Arboretum, 14147
small business regional export industries
and institutions over next decade, po-
tentials and problems of developing,
hearings, 17678
training centers and programs, provide
central location, hearings, 15156
water, new reports by Geological Survey,
11170
water resources—
annual peak discharge at selected gaging
stations, 16680
summary, 2362, 3670, 17822
weekly runoff report, 3671
Northwest Atlantic Fisheries Convention,
multilateral understanding, protocol, 2896
Northwest Regional Services Corporation,
create, hearings, 15156
Northwest Shellfish Sanitation Research
Planning Conference, proceedings, 15683
Norway:
amateur alien radio operators, authoriza-
tion to operate, agreement, 15784
background notes, 11818
capsule facts for Armed Forces, 15914
infant mortality problems, 17167
lights and fog signals, list, changes, 5335,
8372
mineral industry, minerals yearbook chap-
ter, 11363
mutual defense assistance, agreement, 2927
northwest and north coasts, sailing direc-
tions, change, 14573
southwest coast, sailing directions, change,
7000
Northwestern University, triaxial apparatus
and rheogoniometer, duty-free entry, 617,
7653, 14889, 16357
Northwind (vessel):
documentation with coastwise privileges,
14892, 15065
Norton, Elinor F., chemical yield, determina-
tions in radiochemistry, 13331
Norton, James J., ternary diagrams of
quartz-feldspar content of pegmatites in
Colorado, 1111
Norwalk River and Valley:
basin, Conn. and N.Y., engineers report—
departmental edition, 17733
document edition, 17616
Norwood, Janet L., wages in Japan and
United States, 16827
Norwood, Joseph, Jr., viscous drag effect on
performance of coaxial plasma gun, 5267
Norwood, Mass., geology of quadrangle, 6389
Nose, incidence of diseases in 400 space and
test pilot candidates, 14781
Nosology, training unit for nosologists, de-
scription of diseases frequently reported on
death certificates, 7095, 8656
Notes, see Treasury notes.
Notice to aviators:
United States Navy, 3640
index, 9967
Notice to mariners, 3641, 7007
chart correction list, 5337, 14582
Great Lakes and tributary waters, 3642,
9006
Notice to trade, aluminum forgings, 10332
Notices of judgment, food, drug, and cos-
metic act, 3643-44
Notices to airmen, 3022, 10978
International notams, 3437, 9445
Notifiable diseases, see Contagion and con-
tagious diseases.
Novak, Arthur F., radiation pasteurization
of Gulf shellfish, 13341
Noxious and Obscene Matters and Materials
Commission, create, reports, 2059, 10755
Noxious plants, see Weeds.
Noxubee National Wildlife Refuge, general
information, 2278
Nozzles:
convergence, with uncooled pipe inlets,
heat transfer investigation, 17005
exhaust, effects of chemical kinetics on
performance, computer program for de-
termining, 15575
fabricated from mild tool steel, use for
grit blasting, 6762
isentropic plug, off-design performance,
6892
multilayer refractory, produced by plasma-
spray process, 6774
nuclear rocket type, convectively cooled,
design and evaluation, application of
digital codes, 5269
regenerative, used in cold-flow nuclear
rocket test facility, cooldown charac-
teristics, 11590
regeneratively cooled, for tungsten water-
moderated nuclear rocket system, 2729
two-dimensional, investigation of second-
ary jets for hypersonic control applica-
tion, 5266
NPPI, see Poultry.
NPS, see National Park Service.
NPS national prisoner statistics series, 5409,
17128-129
NRAB, see National Railroad Adjustment
Board.
NRL, see Naval Research Laboratory.
NSLI, see Life Insurance.
NSRDS, see National Standard Reference
Data System.
NSSL, see National Severe Storms Labora-
tory.
NTC, see National Teacher Corps.
NTDS, see Naval Tactical Data System.
Nuclear clocks, see Atomic clocks.
Nuclear Data, Information Center on, see
Information Center on Nuclear Data.
Nuclear defense design for architects and
engineers, 16053
Nuclear energy, see Atomic energy.
Nuclear engineering:
coolants for nuclear power engineering in-
stallation, USSR study, 1260
education activities, guide, 5796

Nuclear explosions:

Plowshare program—
 apparent-crater studies, final report, 13342
 civil, industrial, and scientific uses, bibliography, 5787
 clouds, lidar observations, final report, 17397
 concrete stem for access hole, design, etc., 17395
 engineering properties of nuclear craters, 17398
 geologic and engineering properties investigations, final report, 17394
 multiple row charge blast-wave observations at long range, 1798
 preshot geophysical measurements, 15962
 Project Handcar, and surface accelerations, 5782
 structures instrumentation, 17396
 underground detonations, fallout characteristics, 7426
 Project Dribble, Salmon event, earth vibrations from nuclear explosion in salt dome, 8911
 Project Pre-Schooner II, technical director's summary report, 5781
 threshold distances for retinal burns from low-yield detonations, 69
 underground—
 industrial, problems, 5757
 radioactive fallout and fractioning of isotopes, conditions of formation, 1268
 seismic velocity determination and distance measurements in salt dome, 1808
 timing and firing, 1810
 vent-gas treatment plant, 1809
 Nuclear explosives, *see* Atomic blasting.
 Nuclear fission, nuclear safety, critical parameters of fissionable materials systems, USSR book excerpts, 15408
 Nuclear fission waste, *see* Radioactivity.
 Nuclear fuel, *see* Reactor fuels.
 Nuclear fusion:
 Journal of plasma physics and thermonuclear fusion, translations, 1774-75, 7417
 neutron production by fusion in class of anisotropic plasmas, 5347
 plasma physics and controlled nuclear fusion research, translated Russian papers, 5756
 selected articles, translations, 5755
 Nuclear geophysics, instruments, production, USSR study, 8265
 Nuclear magnetic resonance:
 organic loading of charcoal, method for determining, 14597
 sensitive recording NMR ultrasonic spectrometer, 2744
 spectrometer, improved, 14433
 Nuclear ordnance, *see* Atomic ordnance—
 Fire control (gunnery).
 Nuclear physics:
 reactor shielding physics, problems, 12972
 recent research activities, Universities of Basel and Fribourg, Switzerland, 5011
 Nuclear power, *see* Atomic energy.
 Nuclear power plants, *see* Nuclear reactor power plants.
 Nuclear powered ships:
 commissioning of nuclear submarine Sturgeon (remarks), 7439
 N.S. Savannah—
 layup, hearings, 12307
 liability during private operation, agreement with Republic of China, 15799
 operation, continue, hearing, 13853
 visit to Hong Kong, agreement with Great Britain, 15795
 submarines—
 atmosphere, purification and control, chemical research status, annual progress report, 17084

Nuclear powered ships—Continued submarines—continued

propulsion equipment, procurement under Public law 87-653, by Navy Dept., GAO report, 16674
 Nuclear radiation, *see* Radiation.
 Nuclear reactions, controlled thermonuclear research, AEC policy and action paper, 1806
 Nuclear reactor power plants:
 Beloyarskaya atomic electric power station I. V. Kurchatov, radiation situation in area, USSR study, 15406
 boiling water reactor nuclear steam supply systems with capacities to 10,000 Mwt, feasibility study, 17391
 BONUS boiling nuclear superheater power station, final hazards summary report, 5784
 BONUS core development program, final report, 8901
 combination nuclear power desalting project—
 hearings, 7749, 7813
 laws, 375 10487
 reports, 675, 6078, 7731, 9125
 coolants for nuclear power engineering installations, USSR study, 1260
 desalting and energy development and utilization, policy considerations, 15969
 industry and government, complementary roles (remarks), 131
 Northwest and nuclear power (remarks), 1817
 nuclear power plants, descriptions, locations, etc., 7443
 nuclear power 2 years after Geneva (lecture), 133
 operating and safety experience analysis, 12007, 13327
 small plants—
 design, construction, and operating experience, 5769
 general economic assessment, 12006
 industrial expression of supply and demand considerations, 12005
 superheat project, final report, 5773
 Nuclear reactors, *see* Reactors (atomic).
 Nuclear rockets, *see* Rockets.
 Nuclear safety, quarterly technical progress review, 3645
 Nuclear science:
 abstracts, 3646
 Government-wide index, 3381
 Index, 3647
 cumulative, corporate authors, 12024
 cumulative report number, with public availability citations, 7440
 cumulative, subjects, 15971
 subject headings used, 128
 subject scope, 7427
 Atoms in Action Nuclear Science Demonstration Center, operations (remarks), 8917
 conferences, index, 127
 education activities, guide, 5796
 future outlook for applications (remarks), 17404
 nuclear science and technology for ceramists, proceedings of symposium, 12982
 progress and application to basic world-wide problems (remarks), 15974
 series, 1793, 13331
 year of progress (remarks), 132
 Nuclear warfare, *see* Atomic warfare.
 Nuclear weapons, *see* Weapons.
 Nucleate boiling:
 convection, conduction, and evaporation, assessment, 9907
 heat transfer with electrical field, 13334
 Nucleation, *see* Phase studies.
 Nuclei:
 inelastic electron scattering, calculation, 12019
 morphology of interphase nucleus, USSR study, 12747

- Nucleic acids:**
 bibliography, 5334
 metabolism of liver in experimental atherosclerosis, USSR study, 1275
 methods of determination, isolation and fractionation, Bloc countries hold symposium, 6487
- Nucleoli, see Cells.**
- Nuclides, see Radionuclides.**
- Nueces County, Tex., civil rights status of Spanish-speaking Americans, 14848**
- Numbering systems:**
 part and drawing, use by manufacturers, 7847, 10886
 run, for use with data recorders, 12918
- Numerical calculations:**
 calculate components of earth's magnetic field, NELIAC-N computer program, 17083
 characteristics method application to unidimensional problems in gas dynamics, 14500
 characteristics of gas flowing axially through constricted arc, 12955
 computer program calculates monotonic maximum likelihood estimates using method of reversals, 11465
 data frame readout system used in testing telemetry systems, 12901
 determination of electron temperature from X-ray continuum radiation emitted from high temperature plasmas, 11681
 diffraction of normal shock wave by sphere and for transient flow, 17015
 economic, for solving problems, Rumanian studies, 1309
 experiments in plasma physics, 1791
 how to compute injury rates, 9701
 inelastic electron scattering by nuclei, 12019
 method for determining heating rates from thick-calorimeter data, 8486
 methods for estimating geochemical abundance, 9573
 Monte Carlo program for Doppler coefficients, 18030
 naval weather service computer products manual, 15618
 satellites, theory, in Brendel's coordinates, 11545
 Schrödinger equation, numerical solutions, accurate and stable, 17090
 study compares methods for numerical solution of ordinary differential equations, 1463
 three-dimensional calculation of fuel burn-up in water cooled, water-moderated power reactors, 16740
 viscous drag effect on performance of coaxial plasma gun, 5267
- Numerical integration, see Integration (mathematics).**
- Numerical lists and schedule of volumes of reports and documents, 89th Congress, 2d session, 10036**
- Numerical weather forecasting methods used in USSR hydrometeorological service, 1184**
- Nurse Corps, Navy:**
 candidate program, 17080
 you, your country, and Navy Nurse Corps, 5342
- Nurseries, see Day care of children.**
- Nurseries (horticulture):**
 nursery products, bibliography on marketing, 1708
 seedbed density affects size of 3-0 green ash stock, 14095
- Nursery schools, see Day care of children.**
- Nurses and nursing:**
 aged, nursing care, annotated bibliography, 10056
 community planning in D.C. metropolitan area, source book, 18158
 coronary care units, publications, films, and other teaching aids, 5452
- Nurses and nursing—Continued**
 elementary rehabilitation nursing care, 1571
 employees in nursing and personal care homes, number etc., statistics, 7098
 examination announcement, amdta., 5927, 8989
 expenditures in small health agencies, costing procedures, 5437
 Hurricane Betsy, nurses serve, 18168
 Indian and Alaska native health program, nurses, examination announcement, 10436
 Indian health program, examination announcement, discontinuance notice, 10423
 Indians, nursing careers among, 18184
 national disaster, role of licensed practical nurse, 11733
 practical nursing in VA, forward step in career, 10127
 professional nurses—
 examination announcements, 1917, 10416, 17456
 discontinuance notice, 1920
 inactive, refresher programs, guide for courses of study, 10060
 traineeship program, 2834
 PHS short-term training courses, 8653, 17162
 schools offering traineeships for full-time academic study, 5464, 15710
 psychiatric-mental health trainee attends—
 availability, etc., 10058
 institutions offering for graduate and undergraduate education, 11760
 public health nurses number, educational preparation, etc., United States, Puerto Rico, Virgin Islands and Guam, 17155
 Public Health Service, careers in nursing, 10042
 so you want to be a licensed practical nurse, 15206
 special research fellowships, predoctoral and postdoctoral, general information, 15711
 supply and need, statistics in brief, 5451, 15701
 training act of 1964, student loan program, information, 11747
 training improvement, project grants, guidelines, 18164
 see also Nurse Corps, Navy.
- Nursing assistants, see Hospital attendants.**
- Nursing homes:**
 and related facilities, extended care facility under medicare, what it means to you, 7125
 and title 6 of civil rights act of 1964, 1584
 care of veterans in Alaska and Hawaii, eliminate certain requirements, report, 6007
 care provided to welfare recipients, guidance to States in establishing rates, GAO report, 17811
 chronic illness among residents of nursing and personal care homes, May-June 1964, U.S. statistics, 11764
 employees in nursing and personal care homes, number etc., statistics, 7098
 extended care benefits after hospitalization under medicare program, 2865, 11796
 extended care facilities, providers of services under health insurance for the aged, directory, 15738
 extended care facility manual, medicare program, 5504, 7120
 PHA-assisted program, 1965 survey, 6435
 health record system, organizational guide, 7072
 hospital and medical facilities, Hill-Burton program, equipment planning guide, 15691

Nursing homes—Continued

inquiry into practices in providing care to old-age assistance recipients in Cleveland, Ohio, area, GAO report, 8150
minimum property standards, 8203
open every door, Nation's goal for compliance with title 6 of 1964 civil rights act, 13183

practices in providing care for welfare recipients in California, GAO report, 2354

prevalence of chronic conditions and impairments among residents of nursing and personal care homes, 14639
under Fair labor standards act, as amended, 1663

VA nursing home care programs, operation, hearings, 15050

Nursing School, Freedmen's Hospital, see Freedmen's Hospital School of Nursing.

Nussbaum, William J., evaluation of radial-inflow turbine over range of Reynolds number, 6881

Nussbaum, William, and wife, relief, 314, 817

Nutrition:

biochemistry of protein nutrition, USSR book review, 15403

bite-size food fed to man in oxygen-helium atmosphere, evaluation, 83

child nutrition act of 1966—
amend, hearings, 9139

closing nutrition gap, 15871
law, 373

report, 663
facts, 18162

good breakfast starts a good day, 14745

mineral nutrient requirements of *Chlorella sorokiniana* in continuous pure culture, 14779

nutrition program news (periodical), 3648

nutritional status of preschool children, suggested guidelines for evaluation, 17444

pattern change, effects on physiological functions in normal persons, complex investigations, USSR study, 11281

survey, Fort Huachuca, Ariz., 14807

survey, Republic of Nigeria, 7088

USSR research, 1256, 2459, 6511

USSR studies, 4987

Nutrition Laboratory, see Army Medical Research and Nutrition Laboratory.

Nutritionist, public health, examination announcement, amendment, 16065

Nuts:

foreign agriculture circulars, 3345

tree nuts—
production and marketing research, bibliography, 13233

production, use, value, by States, 4145, 14700

Nuts (machinery), see Bolts and nuts.

NYC, see Neighborhood Youth Corps.

Nyland, Ted W., analysis of liquid-metal quality measurement techniques, 12951

Nylon:

phenolic, ablative performance, effect of composition, etc., 9889

phenolic, low-density ablation material, thermophysical properties, 14377

Nystagmus:

eye-movements and subjective turning responses to 2 durations of angular acceleration, 15980

nystagmic eye movements, influence on adaptation of interruption with opposing stimuli, 7447

responses to angular acceleration and to bilateral caloric stimulation following unilateral caloric habituation, 10322

visual fixation effects of brief periods on nystagmus and sensations of turning, 15981

O.A.R., see Aerospace Research Office.

O.A.S.D.I., see Old-age, survivors, and disability insurance.

O.A.S.I. series, 1605-6, 2861-65, 5505-13, 7122-28, 8688, 10085, 11795-797, 15739

Oahe unit, see Missouri River Basin project.

Oak:

black oak, California, increasingly valuable species, bibliography, 14105

burr and red oak, effect of gibberellic acid spray on seedlings, 11129

chestnut, suppressed, annual growth, basis for hydrologic inference, 11171

cordwood yields from thinnings in young oak stands in Missouri Ozarks, 2307

gambel, soil moisture depletion, 4831

green, lumber, presurfacing to reduce surface checking, 2301

growth retardation under 3 species of oaks, observations, 11130

nitrogen fertilization, 2321

pin oak flat, converting to pine, 14121

red oaks—
clearwing borer, 2326

coarse feed sawing, limited study, 11111

redcedar mixtures established in poor oak-hickory forests, 8073

scrub oak areas, tree planting after site preparation with heavy equipment, 8112

shrub live oak, control with helicopter-applied herbicides, 14111

stands, regeneration in southern Appalachia, 12578

Oak Park, Ill., population, special census, 10377

Oak Ridge, Tenn., hydrologic data for area, 16704

Oak Ridge National Laboratory:

conceptual design of 250 MGD desalination plant, 2396

dedication of transuranium research facilities (remarks), 1815

master analytical manual—
indexes, 7428

supplement, 7429

Oakland, Calif., area wage survey, 9744

Oakley Dam and Reservoir, Sangamon River, Ill., designate as Henry Bolz Dam and Reservoir, report, 2100

OAR, see Aerospace Research Office.

OAR Research Applications Conference, proceedings, 7337

OASDHI, see Old-age, survivors, disability, and health insurance.

OASDI, see Old-age, survivors, and disability insurance.

OASI series, 1605-6, 2861-65, 5505-13, 7122-28, 8688, 10085, 11795-797, 15739

Oaths, requirement in D.C. motor vehicle title transfers, eliminate, report, 12383

Oats:

—
futures—
commitments of traders, 3112

trading and open contracts, 3368

Oberholtzer, Betty L., publications of National Bureau of Standards, 9936

Oberndorfer, Wolfgang J., equations for thermoelastic and viscoelastic cylindrical sandwich shells, 1436

Obesity:

and health, source book of current information, 1585

body volume of adult men, 14780

Objective numerical prediction out to 6 days using primitive equation model, test case, 12479

Objectives for Federal funds, 13957

Objects affecting navigable airspace, 15238

Oblanas, John W., lidar observations of Pre-Gondola I clouds, 17397

Oblate spheroids, see Spheroids.

Obolensky, Serge, Greek, basic course, 14677

INDEX 1967

OBR series, 1941-47, 4431-46, 5951-56, 7573-80, 8688, 9013-20, 10458-463, 12132-138, 13455-466, 14880-882, 16100-108, 17474-482

Obraztsov, Nicholas S.:
neotropical microlepidoptera, revision of genus—
Idolatteria, 8538
Pseudatteria, 6944

O'Brien, Gerald D.:
addresses—
Jan. 5, 1967, 5370
Feb. 16, 1967, 7031
Aug. 5, 1967, 14605
Aug. 8, 1967, 14603
Aug. 9, 1967, 14604

O'Brien, Lawrence F.:
addresses, etc.—
Oct. 26, 1966, 1556
Oct. 31, 1966, 1555
Mar. 3, 1967, 7106
Mar. 9, 1967, 7038
Apr. 12, 1967, 8675
May 17, 1967, 11691
May 25, 1967, 11697
May 29, 1967, 11690
June 23, 1967, 13049
July 14, 1967, 14610
Aug. 30, 1967, 15643
Sept. 22, 1967, 17109
Oct. 2, 1967, 17110
Oct. 24, 1967, 18135

O'Bryan, Thomas C., Langley lunar landing research facility, 6875

Obscene matter:
padding advertisement in mails, not desired by addresses, prescribe mailing amend U.S. Code, hearing, 10671, 17608
return of obscene mail, amend U.S. code, hearing, 10671, 17608

Obscenity and Pornography Commission:
create—
hearing, 12296
law, 16145
report, 14933

Observatories, *see* Astronomical observatories—*also* names of observatories.

Occupational analysis, *see* Job analysis.

Occupational diseases:
labor hygiene and occupational diseases (USSR periodical), translations, 6510
State compensatory provisions, 8337
USSR studies, 1313

Occupational mental health notes, 17154

Occupational therapists, Veterans Administration hospitals and clinics, nationwide, career information, 14712

Occupational therapy students, four educational opportunities, 8899

Occupations:
Air Force, occupational handbook for airmen, manual for guidance counselors, 15902
America's occupational manpower requirements, 1964-75, study, 6603
Army, recruiting & career counseling journal, 3812
back-to-work symposium for women who want to resume careers, 8798
career opportunities—
accountants, economists and transportation analysts with Civil Aeronautics Board, 17448
Accounts Bureau, Treasury Department, 5576
agricultural commodity grader, 9356
Air Force jobs that count, 10223
Army crafts program, 7382
Army, pamphlet, 11989
attorneys with Civil Aeronautics Board, 16045
auditing, reasons for starting with Health, Education, and Welfare Dept., 8195

Occupations—Continued
career opportunities—continued
Coast Guard engineering team, not for ordinary engineer, 218
college graduates with Army Department, 8877
commissioned officer in Coast Guard Reserve, 10442
corrective therapists, Veterans Administration, hospitals and clinics, nationwide, 15816
Defense Contract Audit Agency, auditors, 9365
digital computer systems trainee, 6454
DSA civilian program for automatic data processing, 13910
estate tax examiners, 2404
Farmers Home Administration, 1036
Federal Credit Unions Bureau, accountants, 6246
Federal Water Pollution Control Administration, your career and clean water for America, 8012
Food and Drug Administration—
clerk typists and stenographers, 8046
investigator, 11095
forestry, 5654
health careers, jobs happen, careers don't, 15693
health workers in Peace Corps, 5377
Housing and Urban Development Department, job where the action is, 4907
Immigration and Naturalization Service
immigration patrol inspector, 10435
Internal Revenue Service—
international taxation, 8217
secretarial, 11223
tax work, 2400
International agriculture, new careers, 13234
liberal arts graduate in Peace Corps, 5374
librarians in Federal service, 4404, 10417
management analyst development program, 9586
math & science teachers in Peace Corps, 5380
National Aeronautics and Space Administration, 11574
National Labor Relations Board, labor-management relations field examiner, 2748
oceanography, 1536
overseas, State Department, secretaries, 8722
Post Office Department, research and engineering, 7042
professional accountants in Federal agencies in Washington, D.C. area, 4393
programmers, IRS, 6459
public health advisors and analysts, 10064
Public Health Service, 11721
nurses, 10042
pharmacist, 15676
physical therapist, 18155
scientists, 8652
veterinarian, 18156
research forestry, research forester, and forest products technologist, 4394
revenue officer, 2409
social security, 14645
Soil Conservation Service, 1705, 5655
Sport Fisheries and Wildlife Bureau—
fish conservation, 6351
game management agent, pilot, 6345
sports and recreation in Peace Corps, 5384
State Department—
communications and records, worldwide assignments, 5524
secretaries, stenographers, typists, 11831
teaching in Peace Corps, 5385

Occupations—Continued

career opportunities—continued
 Treasury enforcement agent, 5575
 typists and stenographers, Army Department, 8896
Veterans Administration, practical nursing, 10127
 veterinarians, Agriculture Dept., 5657
 wildlife conservation, 6352
 women's work in Forest Service, 13231
career planning booklet, 6162
dictionary of occupational titles—
 physical demands, working conditions, and training time data, supp., 6205
 suffix codes for jobs defined, 9417, 10946
 disabled workers, occupational characteristics by disabling condition, 7079
 Federal position classification plan, 3389
 girls, expanding opportunities, their special counseling needs, 11909
 hazardous job analysis, conducting, 9697
Marine Corps—
 occupational opportunities, 16842
 outlook for your future as marine, 15461
 Navy, enlisted programs handbook, 8581
 Negro's occupational progress, 16829
 occupational groups and series of classes, handbook, 16079
 occupational safety aids, 6601, 9697-9720, 12766-16798-809
 occupational safety charts, 9721-27
 opportunities for girls in crafts and trades (address), 8796
 outlook, quarterly, 3649
 professional, technical, and kindred employment by counties of U.S., 1960, map, 1891
 publications, price list, 17133
 selected wage indexes, long-term trend data for metropolitan areas, 5059
 services for the blind, salaries, 2499
 so . . . you want to be (series), 15205-207
 survey data, computation of group job descriptions, 11951
 wage trends for occupational groups in metropolitan areas, 17901
see also Work—also names of occupations, industries, etc.
Ocean:
 acoustics, USSR study, 6587
 atoms and the ocean, role of nuclear energy in exploring, etc., radionuclides in ocean, 15978
 exploration (remarks), 1956
 exploring potential, USSR study, 1165
 freight rates on military cargoes by U.S. vessels reduced, hearings, 4552
 inner space, sea of opportunity, 6186
 International Council for Exploration of Sea, convention, report, 6064
 measuring ocean bottom irregularities, USSR study, 9650
 microorganisms of land air mass as it traverses ocean, 68
 new knowledge from global sea, programs and mission of ESSA's Institute for Oceanography, 16537
 pollution by oil—
 international control, report, 16234
 international convention for prevention, amendments—
 implementing, hearing, 745
 text, 5542
 research development of underwater electronic robot, USSR study, 6568
 science and the sea, 11649
 sound scattering, USSR articles, 9627
 U.S. life lines, 8574
 United States and world ocean (lecture), 1602
 volume, monostatic acoustic scattering, 13034

Ocean—Continued

volume sound scattering and measurement of acoustic characteristics of scattering layers, USSR study, 1166
see also Sea ice—Seamounts—Waves.
 Ocean cruises, *see* Cruises.
 Ocean currents:
 deep water isotopic current analyzers, 13328
 longshore current data, compilation, 10952
 measuring with EMIT while ship is turning, theoretical foundations of method, USSR study, 1170
see also Gulf Stream.
 Ocean Delight (fishing vessel):
 documentation with coastwise privileges, report, 10760
 Ocean Island, *see* Gilbert and Ellice Islands.
 Ocean stations, *see* Weather stations.
 Ocean temperature:
 surface temperature gradients observed in marine areas receiving warm water discharges, 14070
 surface water Pacific Coast, 17466
 Ocean transportation, *see* Shipping.
Oceania:
 agricultural data book, 10926
 agricultural situation—
 midyear review, 16492
 1966 review, 1967 outlook, 12455
 contributions to hydrology of Asia and Oceania (series), 11187
 market indicators, 9013
 Oceanographer (ocean survey ship):
 voyage around the world, welcome aboard, visitor's guide, 7939
 Oceanographic Data Center, National, *see* National Oceanographic Data Center.
 Oceanographic Office, *see* Naval Oceanographic Office.
Oceanography:
 aquatic sciences, graduate educational grants, 1967-68 academic year, 1077
 atlas for Tampa Bay, Fla., and adjacent waters of Gulf of Mexico, 12545
 atlas of Indian Ocean, interpolated values of depth, salinity, etc., 15624
 atlas of July conditions in northeast Pacific Ocean, 8041
 biological, of eastern tropical Pacific, 8038
 career advantages at Naval Oceanographic Office, 1536
 computer programs, 14570
 determining depth of zero surface, USSR study, 4952
 East Siberian Sea, July-Sept. 1964, turbidimetric observations, 9988
 Elisha Kane, oceanographic ship (USN), general information, 14568
 ESSA's exploitation of sea's resources by use of McArthur coastal survey ship, 10970
 films, catalog, 2770
 foreign monographs, USSR, study, 1176
 inner space, sea of opportunity, 6186
 Labrador Sea in vicinity of Hudson Strait, 10445
 legislation, chronology of related events, 4550
 marine science affairs, year of transition, report, 9948
 methods and instruments for marine research, USSR study, 6501
 National Oceanographic Data Center—
 publications, 2270, 6996-97, 8568-69, 11629-631, 14570, 15624
 quarterly accessions, 3636
 national program, 1042
 naval weather service computer products manual, 15618
 Navy ocean science program, accomplishments and prospects, 14598
 North Atlantic Ocean Station Charlie, observations, 10444
 observations, tropical Atlantic Ocean, Equatorial III, data report, 8569

- Oceanography—Continued
 - oceanographic and hydrographic systems for training, 11670
 - oceanographic reports, 10444-445
 - oceanographic tables, handbook, 13024
 - oceanographic vessels of the world, 8568
 - oceanography and engineering (address), 12116
 - opportunities, 8682
 - Polar Scientific Research Institute of Sea Fisheries and Oceanography, USSR, activities, 6551
 - Project Sealab, 45-day undersea saturation dive, report, 11669
 - research, Mediterranean Marine Sorting Center, agreement with, Tunisia, 2931
 - sea grant colleges and program act—
 - law, 402
 - reports, 632, 679
 - ship operating—
 - 1967 schedules, 7957
 - 1968 schedules, 17753
 - Soviet oceanographic ship conducts marine research in Pacific, 14240
 - spacecraft oceanography, United States activities, 18085
 - study guide, to be used with USAFI course A 510, 12438
 - Townsend Cromwell cruises, trade wind zone pilot study, 16627-632
 - underwater electronic robot being developed for ocean research, USSR study, 6568
 - underwater research development, USSR study, 8266
 - United States and world ocean (lecture), 1602
 - USSR, Institute of Oceanology, 20th anniversary, 9622
 - university curricula in marine sciences, 17752
 - water masses in Indian Ocean, variability, 11630
- Oceanography Institute, *see* Institute for Oceanography.
- Oceanography, Interagency Committee on, *see* Interagency Committee on Oceanography.
- Oceanology, *see* Oceanography.
- Ochinero, Robert V., summary of NODC Ad Hoc Committee and working group activities, 11631
- Ock Wah Wong, *see* Hom Sheck See, and wife.
- O'Connell, Joseph J., jr.:
 - addresses, etc.—
 - June 26, 1967, 13015
 - Oct. 18, 1967, 18093
 - Oct. 23, 1967, 18092
 - nomination, hearing, 10823
- O'Connor, Charles M., industry wage survey, industrial chemicals, 2502
- O'Connor, John P., power circuits for optimum stepped-wave output in 3-phase single-way static inverters, 10008
- O'Connor, Lawrence J., jr., nomination, hearings, 6094
- Oculometer, developed to control machine by eye, etc., 14376
- Odar, Fuat, forces on sphere moving steadily along circular path in viscous fluid, 10258
- Odessa, Tex.:
 - area wage survey, 15441
 - District Court, western district, new Midland-Odessa division, create, report, 16235
- O'Donnell, Patricia M., kinetics of fluorination of beryllium, 12928
- O'Donnell, William, workmen's compensation, administrative organization and cost of administration, 1358
- Odontodactylus, *see* Crustaceans.
- Odors:
 - air pollution study, 5440
 - measurement and control, bionic aspects, USSR study, 9652
- OE 100, highlighting progress of American education, 6191
- OEO, *see* Economic Opportunity Office.
- OEP, *see* Emergency Planning Office.
- Oertel, G. K., spectroscopic temperature measurements in plasmas, 2714
- Oettinger, Katherine B., address, July 12, 1965, 1893
- Of the job safety, Department of Labor safety program, OJS LS series, 16810
- Office buildings, Federal, Detroit, Mich., name in memory of Patrick V. McNamara, reports, 10727, 17577
- Office draftsmen, *see* Draftsmen.
- Office employees:
 - better office skills and service, student manual, 17454
 - clerical, pay, national survey, 2507
 - office assistant, examination announcement, 16080
- Office equipment, *see* Office furniture and equipment.
- Office furniture and equipment:
 - copying equipment, GSA handbook, 12595
 - Federal item identification guides for supply cataloging, supplements, 3292
 - office copying processes and equipment, military standardization handbook, 9371
 - office machines, current industrial reports, 8942, 10356, 16000
 - regional contracts for repair and maintenance of selected office machines, savings available through expanded use, General Services Administration, GAO report, 8148
 - shipments by manufacturers, current industrial reports, 5868, 17431
 - traditional executive type, wood, Federal standard, 6313
 - wood, unitized, Federal standard, 2270
- Office machine operators, examination announcement, 16080
- Office machines, *see* Office furniture and equipment.
- Office of Special Assistant to the President for Consumer Affairs, *see* Special Assistant to the President for Consumer Affairs, Office of.
- Office of Special Representative for Trade Negotiations, *see* Special Representative for Trade Negotiations, Office of.
- Office of Vehicle Systems Research, *see* Vehicle Systems Research Office.
- Office space, administrative, provided in major postal facilities, policies and procedures, Post Office Department, GAO review, 4880
- Office supplies and devices, Federal item identification guides for supply cataloging, supplements, 3292
- Office workers, *see* Office employees.
- Officers, *see* Armed Forces—also names of services to which officers belong.
- Officers' call, theirs to reason why, 15940
- Officers:
 - office safety, occupational safety aid, 9703
 - preventing office accidents, occupational safety aid, 9713
 - see also* Government offices.
- Official gazette of Patent Office, 3650
- Official publications, *see* Government publications.
- Officials, *see* names of departments, etc.
- Orden, Utah, geology and hydrology, 6400
- Ogives, cylinder body, control jet exhausting radially from nose, interaction effects, 5237
- Oh, Mi Soon, relief, 12358, 16187, 17502
- O'Hagan, Maryann J., foreign trade regulations of Central American Common Market, 17478
- O'Hara, G. J., mechanical impedance and mobility concepts, 5353

Ohio, cull trees, controlling by injecting herbicides, 8088

Ohio:

- Appalachian region, hardwood lumber production, costs and returns, 4850
- area measurement reports, 17423
- cnlymenid and other Ordovician trilobites, 16698
- census of agriculture, 1964, State and county statistics, 10388
- census of manufactures, 1963, area statistics, 1847
- census of mineral industries, 1963, area statistics, 5838
- climatological data, 3096
- county business patterns, 4316, 13378, 14822
- electric rate book, 12512
- landings, fishery products, 3553, 11073
- mineral industry, minerals yearbook chapter, 6663
- precipitation data, hourly, 3401
- southeastern, forestry accomplishments under U.S. agricultural conservation program, 14135
- southwestern, air resource management program, air pollution survey, 11717
- women—
 - family and property law, summary, 13187
 - labor laws, summary, 11912
 - work registration under Federal-State aid to dependent children of unemployed parents, Welfare Administration, GAO review, 11157

Ohio River and Valley:

- daily Ohio River bulletin, 3178
- McAlpine Locks and Dam, navigation conditions, hydraulic model investigation, 6210

Ohio River Division Laboratories, technical reports, 16524, 17734

Ohman, John H., effect of staining caused by sapstreak disease on sugar maple log and lumber values, 2306

Oil, see Oils—Petroleum.

Oil and Gas Office, appropriations, 1968, hearings, 7734

Oil fields, see Petroleum.

Oil Import Administration, press releases, 3748

Oil Import Appeals Board, decisions, 3654

Oil pipe lines, see Pipe lines.

Oil sand, see Sandstone.

Oil shale, development, competitive aspects, hearings, 17659

Oil wells, see Petroleum.

Oilfields, see Petroleum.

Oils:

- current industrial reports, 3169, 5860, 7478
- fats and oils situation, 3267
- fatty acids, expanding market for oils, 10921
- Federal item identification guides for supply cataloging, supplements, 3290
- foreign agriculture circulars, 3345
- light, yields and analyses from coal carbonization, 16850
- movement in miniature ball bearings; factors affecting, 17089
- outlook (talk), 4704
- prospects for fats and oils and fatty acid industry (talk), 12460
- see also Lubricants—also names of oils.

Oilseeds:

- and products, European Economic Community import demand, summary, 4701
- meals, production and use, postwar trends, 9391
- outlook (talk), 4704
- stocks, farm and off-farm, by States, 1959-65, revised estimates, 7300
- U.S. fats and oils, 1909-65, statistica, 4144

Oklahoma:

- area measurement report, 5814
- census of agriculture, 1964, State and county statistics, 14837
- census of manufactures, 1963, area statistics, 163
- census of mineral industries, 1963, area statistics, 4295
- Cherokees, Muskogean charm songs among, 6973
- climatological data, 3096
- county business patterns, 12059
- electric rate book, 4778
- farms, growth and capital accumulation, polyperiod analysis, 17336
- highway safety study, Operation 66, joint engineering-enforcement project report, 1594
- livestock and meat industry, price information and market news, 13941
- mineral industry, minerals yearbook chapter, 6664
- Osage pasture report, 14692
- postal map, 5395
- precipitation data, hourly, 3401
- soil survey laboratory data and descriptions, 14660
- water systems, waste disposal systems, financial assistance to small towns and rural groups, questions and answers, 7945
- women workers, 2978

Oklahoma City, Okla., area wage survey, 2503

Okun, Arthur M.:

- challenges in sustaining prosperity, 5041
- nomination, hearing, 7801

OLAS, see Latin American Solidarity Organization.

Old age, see Aged.

Old-age and survivors insurance, OASI series, 1605-6, 2861-65, 5505-12, 7122-28, 8688, 10085, 11795-797, 15739

see also Old-age, survivors and disability insurance—Old-age, survivors, disability and health insurance.

Old-age assistance:

- Cleveland, Ohio, area, recipients, nursing home care, etc., GAO report, 8150
- medical care of recipients, recovery of excess funds accumulated, GAO review, 8145
- money payments to recipients, 4751
- tables on percent of basic needs met, 17196

Old-age insurance, social security rulings, 3881

Old-age, survivors, and disability insurance:

- additional interest earnings of trust funds from 1960 interest rate amendments, 7116
- aid to the blind and OASDI recipients, comparison between beneficiaries and nonbeneficiaries, 11799
- benefits, information, 10085
- household workers and their employers, statistics, 2871
- income status of OASDI beneficiaries with and without private pensions, 5514
- increase benefits, etc., social security amendments of 1967—
 - hearings, 7763, 10684, 15154, 16409
 - reports, 14953, 14964
 - summary, 15053
- long-range level-cost estimates, analysis of fertility assumptions, 15736
- measuring early retirement, revision of benefit awards series, 17198
- payable, actuarial analysis, Arkansas Titan II missile site disaster, 7115
- program, 1965, covering employees also covered under State and local government retirement systems, survey, 2868
- relationship of child beneficiaries to old-age beneficiaries, 1603
- social security handbook, 1606
- social security rulings, 2872

INDEX 1967

- Old-age, survivors—Continued
 system, 1966, long-range cost estimates, 7118
 widows with children under social security, national survey, 2869
see also Old-age, survivors, disability, and health insurance.
- Old-age, survivors, disability, and health insurance:
 applicants for disabled worker and childhood disability cash benefits, etc., 8691
 comparison of actual experience under OASDI system with short-range cost estimates, 14644
 economic effects of seasonality in tax payments, 17203
 experience under OASDI system compared to short-range cost estimates, 7117
 retirement benefits comparison with prices and wages, 1966 experience, 8690
 social security survey, aged population of U.S., 13120
 United States population projections for OASDI cost estimates, 8686
- Older Americans, Advisory Committee on, *see* Advisory Committee on Older Americans.
- Older persons, *see* Aged.
- Older workers, *see* Labor.
- O'Leary, Timothy J., instructions to supplement teaching oral hygiene, 14769
- Olefins, distillable, identification from coal tar, 12795
- Olfactory sense, *see* Smell.
- Oligophrenia, monograph of existing crinoids, 14528
- Ollinger, Arthur J., relief, 12331
- Olives:
 green, U.S. standards for grades, 2140, 16448
 production, use, value, 1965-66, by States, 14696
 Tariff Commission report, 8764
- Ollerhead, J. B., prediction of near field noise of supersonic jets, 14400
- Ollila, Toivo J., soil survey, Codrington County, S. Dak., 7134
- Olsen, Lief O., bibliography of temperature measurement, 11584
- Olsban, Nathan H., recordkeeping systems, small store and service trade, 2856
- Olsen, Katherine M., additions to fused-fluoride lubricant coatings for reduction of low-temperature friction, 5265
- Olson, Keith S., mineral industry of Wisconsin, 6671
- Olson, Pauline T., monographs for Army manpower policy evaluation, 4227
- Olson, Richard D., naval research reviews, 3607
- Olson, Ronald J., relief, 308, 814
- Olte, Andrejs, radiation of magnetic line source excited cylinder through plasma sheath, 5176
- Olympic National Park, general information, 8963
- Omaha, Nebr., area wage survey, 6605
- Omaha Tribe of Nebraska:
 disposition of judgment funds—
 law, 431
 report, 913
- O'Malley, Lambert S., address, Nov. 17, 1967, 17708
- Oman, P. W., collection and preservation of insects, 10182
- O'Marra, John L., nomination, hearing, 13881
- Omniranges, mechanical device accurately measures RF phase differences in VHF or UHF range, 6848
- Omodt, Hollis W., soil survey of Tri-County area, N. Dak., 8702
- On, Frank J., mechanical impedance analysis for lumped parameter multi-degree of freedom/multi-dimensional systems, 11489
- On-the-job training, *see* Employee training.
- Onanlian, Edward D., analysis of work stoppages, 5060
- Oncology:
 clinical, utilization of cybernetics, USSR study, 6553
 oncological service is RSFSR, improving, 2477
 Soviet research, 8257
 viruses in oncology, USSR study, 14258
- One-count memory circuit prevents machine mode interaction, 6697
- One million dropouts Sputnik of 1967, 17721
- One-room schoolhouse and how it grew, 10938
- One thin dime, 12787
- O'Neill, Eugene, \$1 regular postage stamp (poster), 15648
- Onizman, H. D., nuclear superheat project, 5773
- Onions, stocks, 5554
- Ontario, Calif.:
 area wage survey, 5067
 World Farm Center, endorse concept, 13626
- Ontario, Lake:
 small craft, gale and whole gale warning facilities chart, 14723
 water pollution control program, 9501
- Ontogeny, influence of ribonuclease on reflexes of mice in ontogenesis, USSR study, 5028
- OP series, 7009
- Open every door, 13183
- Open pit mining, *see* Mines and mining.
- Open space land planning and taxation, selected bibliography, 12627
- Operation and maintenance of diesel-electric locomotives, 1772
- Operation Golden Eagle:
 1967 directory of Federal recreation areas requiring entrance and user charges, 13041
 outdoor recreation, questions and answers, 7030
- Operation Hygrade, anatomy of shutdown, 13972
- Operation Late Start, on-the-job training for older workers, 16791
- Operation Plumbbob (nuclear effects test):
 fallout, distribution, characteristics, and biotic availability, 1812
- Operation 66, JEEP, joint engineering-enforcement project, highway safety study report, 1594
- Operational notification of finite difference methods for numerical integration of ordinary differential equations, 11559
- Ophthalmoscopy, indirect light approach, USSR study, 12688
- Opinions, *see* names of courts, etc., rendering opinions.
- Opium, traffic, 17918
- Oppenheim, Edward E., cost reduction journal, 3154
- Opportunities for volunteers in public welfare departments, 13184
- Opportunities in oceanography, 8682
- Opportunity in rural America, story in pictures and words, 5674
- Opportunity knocks at executive suite, remarks, 17044
- Optical character reader, addressing for reader, 17111
- Optical illusion, aircraft accidents and visual illusions, 11958
see also Distortion.
- Optical instruments and apparatus:
 raster optical instruments, USSR, 6505
 wide-angle, indirect optical viewing system in high-performance jet aircraft, flight tests, 1497
- Optical monitor panel provides flexible test panel configurations, 2634
- Optical radar measurements of atmosphere, 8420
- Optical radiation, *see* Radiation.
- Optical signals, *see* Signals.

Optical superheterodyne receiver uses laser for local oscillator, 6753

Optical systems:

- depth of flash optical landing system, 13032
- development of optical waveguides and components, 15508
- optical and microwave communications, a comparison, 11529
- scanning, information limits, theoretical investigation, 5173

Optical targets, *see* Targets.

Optics:

- automatic gain channel, 6761
- improved grazing incidence X-ray laboratory program to develop, 6726
- optical properties of coals and graphite, 16349
- optical terms and definitions, military standards, 13021
- systems and elements, classification bulletin, 5368
- see also* Electrooptics—Light.

Optimal control:

- optimal and adaptive control theory, 8414
- problems, Lagrange problems with variable end-point, 14386
- problems, USSR study, 4959

Optimal processes:

- analysis and design of space vehicle flight control systems, optimization methods, 15499
- computer optimization program finds values for independent variables that minimize dependent variable, 17958
- dynamic programming and—
- application to optimization problems of flight mechanics, 11572
- Pontryagin's maximum principle, 14387
- geometric theory of optimum disorbit problems, 8427
- optimal speed and optimal control problems, USSR study, 4959
- selection of working communication frequencies, Soviet research, 6518
- trajectory optimization for Apollo-type vehicle under entry conditions encountered during lunar return, 9919
- treating optimal trajectories with restricted segments, 9805
- weight optimization of straight finned radiators, design procedure, 6781

Optimal temperature regimes for thermophilic *Chlorella* investigated, USSR, 1265

Optometry:

- group practice facilities, financial assistance for constructing and equipping, *law*, 465
- summary, section-by-section analysis, legislative history, and conference report, 725
- practice in District of Columbia, regulate, hearings, 16319

Oral diseases, *see* Mouth.

Oral hygiene, *see* Mouth.

Orange, Thomas W., fracture toughness of wide 2014-T6 aluminum sheet at -320° F, 12936

Orange, Tex., area wage survey, 14294

Orange County, N.Y., population, special census, 16017

Orange juice:

- canned, standards for grades, *amdt.*, 6128
- from concentrate, U.S. standards for grades, 16449
- pasteurized, U.S. standards for grades, 16450

Oranges, degreening response of color-sorted Florida oranges, 17300

Orbital tube flaring system produces tubing connectors with zero leakage, 8454

Orbiting solar observatory, *see* Satellites.

Orbitron ionization gages, *see* Ionization gages.

Orbits:

- circular, manual control of thrust axis during planar ascent from lunar surface, 1490, 14449
- computing in celestial mechanics, regularization, 12857
- Cosmos satellite in near-earth orbita, USSR study, 5017
- cryogenic liquid experiments in orbit, 5164
- elliptic, minimum-impulse time-free transfer between, 1432
- geometric theory of optimum disorbit problems, 8427
- gravity-oriented satellites, adjust and station keeping method, mathematical model and study, 2688
- low-thrust orbit raising in continuous sunlight while thrusting in plane perpendicular to earth-sun line, 15567
- lunar, analysis for improved delta launch vehicle and AIMP-D spacecraft, 11495

Lunar Orbiter I—

- extended mission operations, 14395
- photographic mission summary, 8429
- photography, 14394

lunar orbiting space vehicles, computer program determines thermal environment and temperature history, 16951

manned orbiting space station, thermal control considerations, 11538

Mercury-Atlas 7, spacecraft 18, 2d manned 3-pass orbital mission, description and performance analysis, 6865

orbital investigation of propellant dynamics in large rocket booster, 11517

orbital prediction and differential correction using Vinti's spheroidal theory for artificial satellites, 8482

orbital recovery problem, rapid determination of return and lateral-range for recall to recovery networks, analysis technique, 12969

orbital recovery programs, selection of recovery sites for return from low circular orbits, application of analysis technique, 12970

orbiting radiotelescope, 1500-meter, feasibility, 11414

position control for passive communications satellites, handbook, 11398

resonant librating, use in satellite geodesy, 14476

solar, unguided solid fuel rocket vehicle, feasibility, parametric design, and analysis, 12853

Vinti's accurate reference satellite orbit with inclusion of 3d zonal harmonic, differential corrections, 15564

Orchards, apple, young, establishing and managing, 5625

Orchids, plants, import requirements of Australia, 13206, 17302

Orconectes, crayfish from Alabama caves, origin of genera *Orconectes* and *Cambarus* (Decapoda: Astacidae), 17050

Orcutt, F. K., journal bearings in laminar and superlaminar flow regimes, 9803, 12849

Orders, *see* names of departments, etc., issuing orders— *also* subjects.

Ordinance of 1787, text, 10691

Ordman, Arnold:

- nomination, hearings, 12421
- paper, Mar. 3, 1967, 6937

Ordinance:

- Coast Guard manual, *amdt.*, 4417
- machinery, industrial plant equipment handbook, 9367
- pamphlet, Naval Ordnance Systems Command, 7009
- timers, symposium, proceedings, 104
- see also* Atomic ordnance—Fire control (gunnery).

Ordnanceman, *see* Aviation ordnanceman.

Ordos Desert, geographical study, 2434

- Ordovician period :
 contributions to Ordovician paleontology of Kentucky (series), 16697-698
 Martinsburg formation in Delaware Valley, Pa.-N.J., middle and upper Ordovician, 6395
 Middle, brachiopods and trilobites from basin ranges, Western U.S., 11174
 rocks of east-central Alaska, stratigraphy, 6404
 silicified Middle Ordovician brachiopods from Kentucky, 16697
 trilobites from Kentucky and Ohio, 16698
 Upper Ordovician formations in Maysville area, Ky., 2361
- Ore flotation, *see* Flotation.
- Ore Knob, N. C., copper deposit, 15310
- Oregon :
 Blue Mountains, defect estimation for grand fir, Engelmann spruce, Douglas-fir, and western larch, 2289
 census of agriculture, 1964, State and county statistics, 13412
 census of manufactures, 1963, area statistics, 1848
 census of mineral industries, 1963, area statistics, 5839
 climate, 16531
 climatological data, 3096
 coast pilot supplement, 5944
 county business patterns, 174, 13379, 17427
 eastern spruce budworm outbreak, 1944-56, differential effects, 1097
 electric rate book, 11023
 insect outbreaks, 2291, 17797
 interstate route 80N, John Day River Bridge, review of circumstances relating to collapse, GAO report, 4877
 landings, fish and shellfish, 17769
 low temperature reaction zones and alpine ultramafic rocks, 17817
 mineral industry, minerals yearbook chapter, 2561
 precipitation data, hourly, 3401
 streams, water temperature data, correlation and analysis, 8177
 water supply outlook and snow survey, 4049
 women workers, 2979
- Oregon (fishing vessel) :
 exploratory collection made in southwestern North Atlantic, 1956-60, correction, 8035
- Oregon State University, Radiation Center dedication (remarks), 17407
- Ores :
 and primary products, Federal item identification guides for supply cataloging, supplements, 3291
- deposits—
 Phillipsburg district, Granite County, Mont., 15305
 Steeple Rock mining district, Grant County, N. Mex., 6390
 dressing, heavy liquid cyclone concentration, 12822
 Lawson-Dumont-Fall River district, Clear Creek County, Colo., 16683
see also Assaying—*also* names of metals or minerals.
- Oresund, sailing directions, change, 17070
- Organ Pipe Cactus National Monument, general information, 14552
- Organic chemistry :
 Academy of Sciences, USSR, report, 6579
 progress report of Organic Chemistry Section, 18081
 USSR recent studies, 2444
- Organic Chemistry Section, annual report, 18081
- Organic compounds :
 adsorption at electrodes, 10003
 charcoal, NMR method for determining organic loading, 14597
 classification definitions, 18133
- Organic compounds—Continued
 organic phosphorus pesticides, commercial names, shipping containers, etc., technical reference, 9734
 organic substances in water (series), 15312
 spreading of organic liquids on soda-lime glass, effect of absorbed water, 18110
 synthesis of cyclic sulfides, 12823
 synthesis of research materials, 18081
 synthetic chemicals, production and sales, 13159
 dyes, 13160
 elastomers, 13161
 flavor and perfume materials, 14703
 medicinal chemicals, 18238
 pesticides and related products, 8766
 pigments, 14704
 plasticizers, 17256
 rubber-processing chemicals, 15807
 synthetic organic chemicals, production, preliminary report, 3700
- Organic matter :
 chemical nature of organic matter in water of major rivers in USSR, 9614
 trace organic materials in water, methods for determination, 6451
- Organick, Avrum B., indirect hemagglutination test for *Mycoplasma pneumoniae* employing commercially available antigen and adapted to microtiter technique, 5754
- Organisms :
 factors contributing to increased resistance of the organism, 11277
 formation of interferon in organism of experimental animals, characteristics, USSR study, 4989
 human, space psychophysiology, effect of high and low afferentation, USSR studies, 1345
 organism reactivity to disease development, USSR book excerpts, 16741
- Organization :
 safety organization in industry, instructor outline, 8289
 scientific organization of work and training of industrial workers, USSR studies, 16752
- Organization charts :
 Air Force, 3012
 Army Department, 3393
 Federal executive departments and agencies, 10847
- Organization for Economic Cooperation and Development, Atlantic industrial community looks to the future (remarks), 10451
- Organization in industry, industrial application of automatic control systems and computers, 6509
- Organization manual (Coast Guard), 4418
- Organization of American States :
 charter, protocol of amendment, text, 10703
 headquarters site in D.C.—
 hearings, 6033
 report, 7701
 political prisoners and their relatives in Cuba, report of Inter-American Commission on Human Rights, hearings, 957
- Organization of Congress Joint Committee, continue and provide additional funds, report, 13791
- Organization of Congress, Special Committee on, Senate, *see* Congress, Special Committee on Organization of, Senate.
- Organizations :
 Bulgarian scientific, decrees on operating under their own accounting systems, 6586
 contributions to, which are deductible for income tax purposes, list, 12646
 supplements, 3166
 scientific, operating under their own accounting systems, Bulgarian decree, 5030

Organizations—Continued

- scientific research, cost accounting, USSR study, 1343
sources, Indian and Eskimo arts and crafts, list, 12639
USSR, scientific organizations, development, 1227
withdrawal of cash from Treasury for advances under Federal programs, 7207
see also Nonprofit organizations.
- Organized crime, *see* Crime and criminals.
- Organizing a Federal credit union, 14018
- Organizing food training program, 17722
- Organophosphorus compounds:
anticholinesterase activity of organophosphorus inhibitors, USSR study, 1168
anticholinesterase properties of O-H-alkyl-S-butyl methyl thiophosphanates, USSR study, 8276
antidotes against intoxications, Rumanian study, 11271
intoxication, clinical and therapeutic aspects, Polish study, 4935
mechanisms of physiological action, USSR studies, 6512
poisoning by pesticides, detection using automated method, 13351
- Organotin compounds used in control of plankton growth, USSR, 2460
- Organs:
cell tissue and organ culture, 2d decennial review conference, 18172
transplantation, experimental, USSR studies, 9643
- Orientações, E. U. A., 15813
- Orientation:
human dynamic space, and vestibular system, 1428
Lamb-wave technique, use for improved ultrasonic TV images, 15494
solar, of spacecraft, effect of planetary albedo, 16985
- Orifices, size, and heat-transfer rate, effect on measured static pressures in low-density air-heated wind tunnel, 6876
- Origin and dynamics of ocean waves, 12674
- Orlando, Fla., aerial radiological measuring survey of area, 1780
- Ornamental plants, *see* Plants.
- Ornamentation, *see* Decoration and ornament.
- Orning, George W., private pleasure boating in national forests of Minnesota, 8068
- Orsino, R. J.:
computer program for NRL satellite position display, 8595
simplified prediction equations for NRL satellite position display, 5349
SPAD formatter, buffer interface between satellite prediction computer and display, 8593
- Orth, Donald J., dictionary of Alaska place names, 14174
- Orthicons, electronic shutter gates image, orthicon on and off, 15540
- Orthogonal functions, *see* Mathematics.
- Orthogonalization procedure for multivariable function approximation, 6749
- Orthopedic stretcher with average-sized person can pass through 18-inch opening, 5222
- Orthostasis:
forearm vascular responses, 4175
tilt table orthostatic tolerance test, biomedical monitoring during dynamic stress testing, 7362
- Orthotics, examination announcement, 17455
- Ortmeyer, Carl E., marriage statistics analysis, United States, 5471
- Orton, Robert B., Mineral Wells, Tex., climatic summary, 12478
- Ortuglio, Carmen, correlation of BM-AGA carbonization yields from 13- and 18-inch-diameter retorts, 2575

- Osborn, Ben O., soil conservation, devoted to wise use of land and water resources, 3883
- Osborn, Howard A., Brazil's position in world agricultural trade, 17713
- Osborn, M. J., fluid amplifiers, bibliography, 11400
- Osburn, M. R., controlling insects and diseases of pecan, 1679
- Oscillations:
acoustic, in simulated rocket combustion chambers, mechanical absorption, 5264
cone, problem solved in supersonic flow by small perturbation techniques, 6849
elastic, measurement of propagation velocity in surface layers of Indian Ocean water, on 36th cruise of USSR experimental ship Vityaz, 15353
forced discontinuous, fluid in pipeline, 6912
Gemini configurations, stability in pitch and yaw, errata, 1474
liquid, flexible and rigid ring baffles for damping in large scale cylindrical tanks, effectiveness, 8493
pump, reduced by negative feedback system, 8473A
system precisely controls oscillation of vibrating mass, 16938
- Oscillations (electric):
plasma, stimulated by pre-bunched electron beam, 12870
- Oscillators:
fluidic, used as humidity sensor, 8473
temperature-compensated subcarrier, design, 15534
see also Lasers.
- Oscillograph, channel selection, acceleration by use of color-coded sleeve shutters, 17991
- Oscillography, *see* Tachoscillography.
- Oscilloscopes, used as X-Y plotter or 2-dimensional analyzer, 15539
- Osmium, sliding friction, 15578
- Osmosis:
reverse—
brackish well water tests at Midland, Fort Stockton, and Kermit, Tex., 12117
desalination pilot plant, operation, 2395
membranes containing graphitic oxide, 6444
membranes for desalination, study, 6448
membranes, new polymer systems, research and development, 8213
one mod brackish water plant, spiral module concept, parametric study, 9590
permeability requirements of membranes for use in desalination, 15331
Potomac River, 6441
systems, simultaneous development of velocity and concentration profiles, 11218
test, acid mine water at Kittanning, Pa., 4915
ultrathin membranes, fabrication and evaluation, 12641
vapor gap, osmotic distillation process, 2394
- Osteoarthritis, in adults, by selected demographic characteristics, etc., 5468
- Ostraciocoda, *see* Crustaceans.
- Ostrom, Arnold E., defense transportation, Military Traffic Management and Terminal Service, 16731
- OSTS, *see* State Technical Services Office, Commerce Dept.
- O'Sullivan, Thomas C., relevance of factor analysis to study of arms control and limited war, 15924
- Oswald, Daniel D.:
commercial forest area and timber volume in California, 4859
forest statistics for Del Norte County, Calif., 4860

INDEX 1967

- Oswalt, Noel R., Hilo Harbor tsunami barrier, 2220
- Oswalt, Wendell H.:
ethnoarcheology of Crow Village, Alaska—
departmental edition, 8872
document edition, 9048
- Ota, Hajime, houses and equipment for laying
hens, for loose housing, 10183
- Otapirila, *see* Pelecyopods.
- Oteliza, Alberto, relief, 554
- Otepka, Otto, case, hearings, 2131
- Other war in Vietnam, progress report, 1151,
1627
- Otis, Leon S., animal research in psychopharmacology, index for psychopharmacology handbooks, 7083
- Otoliths, orbital otolith experiment, temperature control, 12868
- OTR series, 2742
- Ottawa, Ohio:
Maumee River basin, engineer report—
departmental edition, 2212
document edition, 2001
- Ottawa Indians:
judgment funds, disposition—
law, 14907
reports, 12268, 13829
- Otter Creek, coral bed and its fauna, east-central Kentucky, 6394
- Otto, Francis L.:
construction safety, site clearing, 17887
safety inspection procedures, 8290
safety training programs, instructor outline, demolition, 1357
- Ouachita River, Columbia Lock and Dam, navigation conditions, hydraulic model investigation, 6212
- Oudenhoven, Martin S., rock bolt anchors, 5126
- Ondine, John A., all hands, Naval Personnel Bureau career publication, 3025
- Our American Government, what is it? how does it function? 5977
- Our American land, use the land, save the soil, 15839
- Our American way of life, 11211
- Our changing partnership with Europe, report of special study mission, 7744
- Our common task, address, 2188
- Our flag, 519
print as House document, reports, 13652, 13819
- Our Government, 12630
- Our Lady of Pillar Catholic Church, Santa Ana, Calif., relief, 13574
- Our market is the world, our product the individual, 12473
- Our struggle against pests, 1716, 7290
- Our United States, 12629
- Ourlin, Miriam A., post layoff labor market experiences of former Republic Aviation Corporation (Long Island) workers, 5719
- Outdoor recreation, *see* Recreation.
- Outdoor recreation action (periodical), 3664
- Outdoor Recreation Bureau:
appropriations, 1968, hearings, 7734
grants-in-aid manual, 7026-28, 13037-40
press releases, 3749
programs, briefing session, hearings, 10655
- Outdoors USA, 17325, 17566
- Outer Banks:
between Ocracoke Inlet and Beaufort Inlet, hurricane survey, engineer report—
departmental edition, 2215
document edition, 2004
dune stabilization with vegetation, 16523
- Outer Continental Shelf lands act, *see* Continental Shelf.
- Outer space:
activities of Federal departments, etc., investigation, authorization, report, 4605
aerospace companies, backlog of orders, current industrial reports, 3170, 13386
aerospace measurement techniques, symposium, 6734
- Outer space—Continued
aerospace safety (periodical), 2993
aerospace technology positions with NASA, 7536
applications, for benefit of mankind, survey, 9824
applications, 1965, significant achievements, 6735
astronomy in space, 8434
code of Federal regulations, 7977, 9462-63
coding system for deep space probes, 14493
cryogenic liquid experiments in orbit, settling and interface dynamics, 2608
defense space research facility, agreement with Australia, 7189
education, exploration, research and technology, publications, price list, 5419
electron tubes for space applications, requirements, 5231
ESSA weather watch in space, 1033
exploration—
and use, treaty on principles governing activities of states, analysis and background data, 7791
from Runnymede to Ganymede (address), 18059
PACAF bibliographies, 10227
peaceful, U.S. launch vehicles, NASA facts, 9822
possibilities and prospects of use of hypothermia, USSR study, 16768
extravehicular protection and operations, study, 12859
5-cent twin space commemorative postage stamps (poster), 17114
future national space objectives, 2058
geophysics and space data bulletin, 3377
information from Cosmos satellites in near-earth orbits, USSR study, 5017
internally and externally finned radiators for Brayton cycles in space, exploratory study, 8405
international cooperation (remarks), 2734
life support system for flights of extended time periods, 1425
locomotion device, extravehicular, jet shoes, 8483
lunar science and exploration, 1967 summer study, 17952
manned extravehicular activities in assembly and operation of large space structures, 16901
medical benefits from space research, 17948
NASA, 20th century explorer into sea of space, guide to careers in aerospace technology, 11574
national space program, its values and benefits, 9169
near-space environment, 11575
nuclear systems program, AEC authorizing legislation, 1968, hearings, 10491
observation of distant man-made space objects, USSR study, 16765
opaque sphere in space, theoretical solution on nonlinear problem of transient cooling, 14458
physiological measurements during space travel, USSR study, 8243
physiology of work in space, USSR study, 8247
power systems advanced technology conference, 1440
protons and space travel, introduction, 1731
psychophysiology, effect of high and low acceleration on human organism, USSR studies, 1345
radiation equivalence for permanent damage to transistors, 14380
research and development, by-products (address), 5280
research, investigation—
authorization, report, 7671
expenses, report, 10554

Outer space—Continued
 research review, Office of Aerospace Research (periodical), 3827
 role of vestibular organs in exploration of space, 5191
 satellites and space probe projects, 1966 summary, Goddard Space Flight Center, 12846
 science and technology of aerospace, NASA Scientific and Technical Information Facility, 8432
 scientific and technical aerospace reports, 3850
 Government-wide index, 3381
 indexes, 3851
 shapes of tomorrow, space oriented geometry for secondary levels, supplement, 8513
 solid-state wide-range low power camera timer for space applications, 5249
 Soviet bloc research (periodical), 3886
 space, new frontier, 9821
 space program—
 in post-Apollo period, report, 7050
 international significance (address), 2733
 space progress (address), 5281
 speaking of space and aeronautics (series), 2733-34, 5280-81, 9932, 17022, 18059
 star/horizon simulator used to test space guidance system, 11447
 treaty—
 bearings, 9313
 message from the President, 6061
 report, 9187
 United States activities, annual report, 5994
 USSR activities, brief recapitulation, 1305
 USSR programs, 1962-65, goals and purposes, achievements, plans, and international implications, 4628
 see also headings beginning Space.
 Outgassing, rates for solid rocket fuels in vacuum, 5262
 Outlaw, R. A., small volume, ultrahigh vacuum system for ionization gage studies, 18037
 Outlet works, see Reservoirs.
 Outlying possessions:
 dutiable status of imports from insular possessions, amend tariff schedules—
 law, 509
 report, 911
 U.S. trade, monthly report, 3359
 Outpatient services, see Clinics—Hospitals.
 Output, see Production.
 Ovarian cancer, see Cancer.
 Overflow system for standard U.S. Weather Bureau evaporation pan, 2318
 Overhead electric lines, see Electric lines.
 Oversea service:
 Defense Dept. personnel, air transportation of dependent children, GAO review, 9545
 opportunities for secretaries in Foreign Service, 8722
 Overseas activities in support of modern foreign language and area studies, 16506
 Overseas business reports, 229-233, 1941-47, 3666, 4431-46, 5951-56, 7573-80, 9013-20, 10458-463, 12132-138, 13455-466, 14880-882, 16100-108, 17474-482
 Overstreet, John M., ESSA world, 3243
 Overstreet, William C., geologic occurrence of monazite, 17826
 Overtaking and passing on 2-lane rural highways, 14611
 Overtime, see Hours of labor.
 Owen, R. W., jr., atlas of July oceanographic conditions in northeast Pacific Ocean, 8041
 Owen, Robert A., relief, 609, 7644, 12355, 13484

Owens, James M.:
 addresses—
 Oct. 28, 1966, 142
 Jan. 23, 1967, 5806
 Oxidation:
 anodic, of PbSO_4 , etc., plate materials of lead-acid cell, 11672
 graphite, catalytic effect of impurities, 18040
 JT graphite composites, static, subsonic, and supersonic test, 18053
 Oxide cathodes, see Cathodes.
 Oxides:
 bonding of oxides of high temperature alloys, 10016
 fibering, in refractory-metal matrices, 9900
 film on metal substrate reduced to form metal-oxide-metal layer structure, 12841
 oxide dispersion strengthened alloys, . 17951
 oxide-glass compositions, hot rolling, 12820
 see also oxides by name, e.g., Graphite oxides.
 Oxidizer valves, see Valves.
 Oxidizing agents:
 oxidizer-rich oxygen-hydrogen combustion characteristics, preliminary investigation, 2708
 solid oxidizer added to liquid fuel increases specific impulse, 9831
 Oximes, monoquarternary dioximic compounds, as antidotes against intoxications with organophosphoric compounds, Rumanian study, 11271
 Oxygen:
 absorption coefficients of O_2 at oxygen windows, 18050
 and potent pint, equipment required at high altitudes, 8921
 atoms, reaction rates with carbon monoxide, 16997
 blood, saturation determined by transmission spectrophotometry of hemolyzed samples, 16936
 breathing oxygen effects upon night vision thresholds, 11347
 combustibility of materials in oxygen-helium and oxygen-nitrogen atmospheres, 5706
 concentrated, chlorate candle provides source, 14410
 consumption in living tissues, effect of chemically inert gases, 5708
 coupled vibrational-dissociational flows over wedge, effects of measured dissociation-rate constants, interpretations, 12943
 deficit incurred during hypoxia and relation to excess lactate, 7355
 dilute, viscosity and thermal conductivity coefficients, 5293
 effect on dog plasma sulfhydryl groups in vitro, 5712
 effect on flammability of materials in hyperbaric atmospheres, 11675
 effects of 100% oxygen at reduced pressures on behavioral changes in rats at ground level following gestation and growth, 15899
 enriched blast injection, blast furnace operation, 12828
 environment at 210 mm. Hg absolute, effects on rats, 1740
 equipment, civil aviation, physiological protective efficiency, techniques for evaluating, development, 15079
 fire protection problems, 17816
 gaseous-hydrogen-liquid-oxygen rocket combustion at supercritical chamber pressures, 17001
 head lettuce held in low-oxygen atmospheres, market quality and rate of respiration, 10180
 in general aviation, 4250

INDEX 1967

Oxygen—Continued

- intermittent 98 percent oxygen and 380 mm. Hg total pressure, influence on susceptibility to tularemia, 5715
 - liquid, and gaseous-hydrogen combustors, chugging instability, 11547
 - liquid oxygen ducting cleaned by falling film method, 16947
 - low-pressure pure environment, rats born and raised in, energy metabolism, 5709
 - man in oxygen-helium atmosphere—
 - behavior factors, 86
 - blood enzyme response, 85
 - clinical observations, 90
 - enteric microbial flora, 79
 - excretion of steroids and catecholamines, 7366
 - exercise and cardiovascular response, 88
 - heat exchange, 81
 - introduction and general experimental design, 91
 - major and minor atmospheric components, 89
 - nutritional evaluation, etc., of feeding bite-size foods, 82, 83
 - oral, cutaneous and aerosol bacteriologic evaluation, 84
 - renal response, 87
 - respiratory function, 80, 92
 - new electrolyte may increase life of polarographic oxygen sensors, 6740
 - nitrogen-oxygen mixture, vibrationally relaxing, centered one-dimensional unsteady expansion, 6858
 - oxidizer-rich oxygen-hydrogen combustion characteristics, preliminary investigation, 2708
 - phase relations in uranium monocarbide region of system uranium-carbon-oxygen, 12821
 - photodesorption from nickel oxide powder, 16995
 - physiological, psychological, and bacteriological aspects of 20 days on 100% oxygen, etc., 6723
 - recombination of carbon monoxide and atomic oxygen at high temperatures, 2718
 - regeneration from carbon dioxide—
 - by electrolysis in solid oxide electrolyte cell, 6715
 - on spacecraft, electrolysis cell, 2607
 - spacecraft atmosphere, Apollo accident, hearings, 6088-89, 9299, 10796, 12396
 - steelmaking, effect of lime structure, 6682
 - tissue oxygenation during hemorrhage in dogs breathing 1 and 3 atmospheres of oxygen, 15895
 - titanium alloy system and titanium chlorides in molten sodium chloride, reaction rates, 14359
 - treatment of altitude disbarism with oxygen under high pressure, 7367
 - uptake in mice, effect on inert gases and low pressure normoxic environments, 76
- Oxygen masks:
- constant-flow phase dilution designs for general aviation, performance characteristics, 17412
 - passenger disposable, physiological protective efficiency of new prototype mask, 4248
 - Sierra, hanging, quick-don crew, pressure breathing, evaluation, 4249
- Oxyhemoglobin, dissociation, effect of nitrogen dioxide-nitrogen tetroxide, 13270
- Oyarzun, Ramon E., relief, 12340, 16211
- Oysters, certified shipper, list, 3089
- Ozark Mountains:
- Appalachian loblolly grows well, 2320
 - cordwood yields from thinnings in young oak stands, 2307
 - rural industrialization, case study, 17711

Ozark Mountains—Continued

- shortleaf pine seedling inventory methods on broadcast-seeded areas, 8072
 - southwest Missouri, establishing grass range, 14092
 - Ozolins, Guntis, rapid survey technique for estimating community air pollution emissions, 7062
 - Ozone:
 - accidental poisoning in workers, prevention, 2820
 - use in tomato ripening rooms, 5
- P**
- P&SA, *see* Packers and Stockyards Administration.
 - P.C.M.R., *see* President's Committee on Mental Retardation.
 - P.H.S., *see* Public Health Service.
 - P.P.C. series, 3667
 - P.R.L., *see* Personnel Research Laboratory.
 - PA series, 43-49, 1710-18, 4128-37, 5666-77, 7281-93, 8838-45, 10188-194, 11937-938, 13235-237, 14754-758, 15866-871, 17326-330
 - PACAF basic bibliographies, 4169, 7338, 8866-67, 10227-230, 11950, 13266
 - Pace, George M., evaluation of Dynasect for non-destructive testing of portland cement concrete pavements, 16524
 - PACE (Projects to advance creativity in education), *see* Elementary education—Secondary education.
 - Pacesetters in innovation, 10941, 17723
 - Pacific area:
 - airman's guide and chart supplement (periodical), 3668, 12500
 - Asia, Pacific and United States, hearing, 6099
 - central, Marine Corps operations in World War II, history, 12783
 - climatological data, 3096
 - East Asia and Pacific series, 7143, 8713-16, 11822-824, 13137-138, 14672-673, 17218-220, 18228-229
 - echo of progress (remarks), 10452
 - Federal Aviation Administration, procurements, and costs of dedication ceremonies, GAO review, 11155
 - great potential for tourism (remarks), 9022
 - PACAF basic bibliographies, 4169, 7338, 8866-67, 10227-230, 11950, 13266
 - South, mineral industry, regional review, minerals yearbook chapter, 6673
 - southwest, Japanese operations in World War II, reports of Gen. MacArthur, 11992
 - travel industry, planning for future expansion (remarks), 8975
- Pacific basic bibliographies, 4169, 7338, 8866-67, 10227-230, 11950, 13266
- Pacific basin market for wood products for military support activities, 1098
- Pacific Coast:
- coast pilots—
 - Alaska, Cape Spencer to Beaufort Sea, supplement, 5945
 - Alaska, Dixon Entrance to Cape Spencer, supplement, 7554
 - California, Oregon, Washington, and Hawaii, supplement, 5944
 - fisheries, annual summary, 9510
 - light list, 16089
 - nautical chart catalog, 7558
 - North America and Asia, tidal current tables, 16087
 - storm warning facilities chart, Canadian border to Eurcka, Calif. and Alaska, 14717
 - surface water temperature and density, 17466
 - transportation lines, 13984
- see also* Pacific States.

Pacific Islands:
 light list, 16089
 lights and fog signals, list, change, 1537.
 7004, 11642, 18099
 plants, studies, new and noteworthy flowering plants from Fiji, 12997
 sailing directions, change, 11638
 surface water temperature and density, 17466
 western, chitons and gastropods, Halio-
 tidae through Adeorbidae, 4890
Pacific Islands Trust Territory, see Trust Territory of Pacific Islands.
Pacific Northwest, see Northwest (U.S.).
Pacific Northwest Forest and Range Experiment Station:
 annual report, 11102
 publications, list, 3510, 11101
Pacific Ocean:
 central and northeastern, bathyal poly-
 noids, 6960
 central and western, tide tables, 14875
 danger areas, DAPAC, 11641
 eastern tropical, biological oceanography, 8038
 North, zoarcid fish, new genus and species, 11606
 northeast—
 atlas of July oceanographic conditions, 8041
 pelagic amphipod *Cyphocaris challengeri* (Gammaridea: Lysianassidae), variation and distribution, 6967
 northeastern part off U.S. coast, agreement with USSR, 11858
 notice to mariners, 3641
 portunid crabs, Smithsonian collections, 8540
 radio navigational aids, change, 7006, 11647, 17075
 radio weather aids, change, 2772, 8573, 11648, 17076
 Soviet oceanographic ship conducts marine research, 14240
 tunicata specimens of National Museum, 9950
 western, lights and fog signals, list, 5332, 9973, 14579
Pacific slope basins, see Pacific States.
Pacific Southwest Forest and Range Experiment Station, publications, list, 16650
Pacific States:
 home fruit garden, 5635
 Pacific slope basins—
 California floods, magnitude and frequency—
 coastal basins south of Klamath River basin and Central Valley drainage from west, 11188
 Klamath and Smith River basins and Central Valley drainage from east, 14177
 surface water quality, 11192
 water pollution and other related fields, inventory of research, 15254
Packaged disaster hospitals, see Hospitals.
Packaged Government research and development information for industry, 10438
Packaging:
 administration, Army field manual, 15938
 converted flexible products, current industrial reports, 15992
 dangerous materials, military aircraft transportation, Air Force manual, change, 13255
 fair packaging and labeling act of 1966—
 law, 12157
 remarks, 4426, 5958, 5960, 12130
 Federal Item Identification guides for supply cataloging, supplements, 3287
 film-wrapped and naked-packed lettuce, market quality, 10152
 industry report, 3147
 materials, Federal test method standard 16605

Packaging—Continued
 meat and poultry in retail food stores, systems and equipment, 7276
 prepackaging pears at shipping point, 1703
 procedures for parts and equipment, military standard, 16468
 requirements code, military standard, 3559, 6151
 rhubarb, storage and shelf life, 5645
 steel products, recommendations of trade, amdt., 6920
 see also Packing.
 Packed with ideas for outdoor fun, 11711
Packers:
 packers and stockyards—
 act of 1921, amend, hearings, 13691
 resumé, 3672, 13042
 see also Packing Industry.
Packers and Stockyards Administration, P&SA series, 17103
Packing:
 converted flexible packaging products, current industrial reports, 3169
 supplies and equipment, AMC pamphlet, 4192
 supplies, Federal item identification guides for supply cataloging, 3287
 see also names of articles packed.
Packing industry:
 feeding of livestock by certain packers, prohibit, hearings, 2637
 packers and stockyards act—
 as it applies to auction markets, 15870
 assists to recover losses in livestock claims, 1712, 15869
 recordkeeping for livestock dealers, 44
 what it is, how it operates, 15866
 packers and stockyards resumé, 3672, 13042
Packing materials, Federal test method standard, 16605
Packinghouses:
 bulk handling spring crop potatoes from harvester to packing line, methods and costs, 35
 economic aspects of unhairing hides, 11934
 peach, layout guidelines, 7247
Padding:
 automotive seat backs, Federal standard, 6329
 evaluation of various materials for crash protection, 5803
 Padgett, G. V., oceanographic and hydrographic systems for training, 11670
 Padovano, Frank A., Greek canned deciduous fruit industry, 17792
 Padron, Menello S. D., relief, 12337, 16197
 Paeng, Hye Suk, relief, 9225, 13506, 13603
 Paeng, Mi Kung, relief, 9225, 13506, 13603
 Paganan, Sixto M., relief, 9241
 Page, Chester H., mathematics and mathematical physics, journal of research, 3459
 3459
 Page, Louise, food and your weight, 14744
 Page, R. W., data for wells in Madera area, San Joaquin Valley, Calif., 12605
 Page, William A., thermal radiation studies of ablating bodies in ballistic range, 5234
 PAH, see Para-aminohippuric acid.
 Pahrump Valley, hydrology of valley-fill and carbonate-rock reservoirs, 14178
 PAIGH, see Pan American Institute of Geography and History.
 Pails, steel shipping, current industrial reports, 3169
Pain:
 accurate depth measurements provided by modified algometer, 6809
 red is color of hurting, planning for children in hospital, 11758
Palne, Lee A.:
 accidents caused by hazardous trees on California forest recreation sites, 11125
 butt rot defect and potential hazard in lodgepole pine on selected California recreational areas, 1093

- Paint:**
 burning characteristics, fire-retardant undercoat influence on combustible topcoat, 13036
 current industrial reports, 3169, 10357
 Defense Dept. stocks, transfer to GSA, GAO review, 9546
 Federal item identification guides for supply cataloging, supplements, 3290
 manual, new construction and maintenance, 13979
see also Pigments—Primers (paint).
- Paint shops, safety engineering in painting and varnishing shops, USSR book excerpts, 15363**
- Paintability of 2 Hawaii-grown woods, 4843**
- Painting:**
 administrative wheeled vehicles, military standard, 4678
 Federal facilities in Washington area, irregularities in performance, hearing, 15033
 outside wood surfaces, wood finishing, 1088
- Paintings:**
 Alice Pike Barney memorial lending collection, 2747
 Bingham, George C., exhibition catalog, 18084
 Isleta paintings, artist in pueblo society, letters, etc., 14547
 transfer in trust for Weimar Museum, agreement with Germany, 7190
 vested German, transfer to Germany, hearing, 741
- Paints, *see* Paint.**
- Pair, Claude H., sprinkler irrigation, 5638**
- Pajaro River:**
 drainage basin, flood control, engineer report—
 departmental edition, 10958
 document edition, 10498
- Pakistan:**
 accessions list, Library of Congress American Libraries Book Procurement Centers, Karachi and Dacca, 3673
 agricultural commodities, agreements, 1640, 1166, 8744, 15772, 15793
 cotton textiles trade, agreements, 11834, 15797
 education, financing of exchange programs, agreement, 17288
 mineral industry, minerals yearbook chapter, 8361
 U.S. travelers, you can assist U.S. balance of payments, 11887
 West, Punjab region, aquifer tests, analysis, 11187
- Palanquin Project, *see* Project Palanquin (plowshare program).**
- Paleontology:**
 contributions to Ordovician paleontology of Kentucky (series), 16697-698
 contributions to paleontology (series), 8175, 11174, 12614-615, 17827
 lower Paleozoic paleontology and stratigraphy of east-central Alaska (series), 6404
 neutron activation analysis traces copper artifacts to geographical point of origin, 8388
 New Zealand artifacts, from U.S. transit of Venus expedition, 6972
see also Fossils.
- Paleotectonic Investigations of Permian system in United States, 16691**
- Paleozoic era:**
 lower Paleozoic paleontology and stratigraphy of east-central Alaska (series), 6404
 stratigraphy of Independence quadrangle, Inyo County, Calif., 2364
- Pales weevil, *see* Weevils.**
- Palladium:**
 electrodeposition of thick coatings on refractory metals from aqueous electrolytes, 16861
- Palladium—Continued**
 low temperature specific heat of palladium containing interstitial hydrogen, 1548
 silver-palladium braze alloy recovered from masking materials, 6793
 solid palladium-silver alloys, thermodynamic properties, investigation by torsion-effusion technique, 17924
- Pallets (materials handling):**
 Appalachian hardwoods for pallets, laboratory evaluation, 16661
- Palm Springs, Calif.:**
 aircraft accident, 17060
 dedication of certain streets, etc., on Agua Caliente Indian Reservation and to convey title to—
 law, 14908
 reports, 9135, 13828
- Palm Springs Reservation:**
 dedication of certain streets, etc., and convey title to Palm Springs, Calif.—
 law, 14908
 reports, 9135, 13828
- Palmer, Raymond W., variable-length constant-velocity travelling magnetic wave plasma accelerator, 18034**
- Palmore, Erdman, widows with children under social security, 2869**
- Palsy:**
 cerebral—
 causes, etc., research, 18183
 developmental approach to casefinding, 10403
- Pamphlets, catalog of copyright entries, 12432, 16451**
see also names of departments, etc., issuing pamphlets.
- Pan American Institute of Geography and History:**
 participation of United States, appropriation authorization—
 law, 374
 report, 676
- Pan American World Airways, Inc., emergency board report, 4724**
- Panama:**
 agriculture and trade, 7887
 air transport services, agreement, 15782
 alien amateur radio operators, authorization to operate, agreement, 7188
 El Real, Darien Province, environmental survey, 8895
 mineral industry, minerals yearbook chapter, 14331
- Panama Canal:**
 act of 1964, amend, sea-level canal site connecting Atlantic and Pacific Oceans, construction, hearings, 10664
 appropriations, 1967, law, 403
 appropriations, 1968—
 hearings, 10634, 16393
 report, 13678
 cash relief act, increase benefits—
 law, 426
 report, 934
 code of Federal regulations, 14034
 Isthmian Canal, policy questions, Canal Zone, Panama Canal sovereignty, modernization, new canal, compilations of addresses, 520
 Panama Canal review (periodical), 3674
- Panama Canal Company:**
 annual reports, 148, 13356
 canal tolls and route studies, status report, hearings, 10664
- Panama Canal Zone, *see* Canal Zone.**
- Panama City, Atoms in Action, Nuclear Science Demonstration Center, opening ceremonies (remarks), 8916**
- Pandaridae, *see* Copepods.**
- Panel boards, optical monitor panel provides flexible test panel configurations, 2634**
- Panel on High Speed Ground Transportation, report, 13469**
- Panel on Invention and Innovation, report, 5962**

Panel on Science and Technology :

8th meeting—
papers, 12315
proceedings, 9170

Panelfab International, President's E award for excellence in exporting (remarks), 1949

Panels (aircraft) :

comparison of panel flutter results from approximate aerodynamic theory with results from exact inviscid theory and experiment, 1480

Panels and paneling :

compression tests of open-face truss-core sandwich panels, 5255

equipment designs, Mylar film eliminates silk screening, 1454

flat rectangular panels, flutter analysis based on 3-dimensional supersonic unsteady potential flow, 6910

illuminated by edge-lighted lens technique, 5204

Instrument panels—

instrumenta and control devices for automotive vehicles, Federal standard, 6317

light-aircraft, injury potentials, 1820
vertical-scale, fixed-index, evaluation for X-15 airplane, 9918

measuring surface irregularities in panel products, 11113

metal panels, open mesh, prevention of accumulation of snow and ice, 8879

oscillating panels in low supersonic flow with turbulent boundary layer, pressure distributions, 6718

potting compound for honeycomb sandwich fasteners, depth control, study, 6834

steel test panel helps control additives in pyrophosphate copper plating, 17969

thermal conductivity of wood-base fiber and particle panel materials, 14124

thermostructural, refurbishable for—
manned lifting entry vehicles, research, 2605

panel attachment mechanism suitable for application, 5160

vibration analysis of cylindrically curved panels with simply supported or clamped edges, 5263

wood-brick tile, 14133

Pankratz, Louis B. :

thermodynamic data for molybdenum carbide and tantalum carbide, 1410

thermodynamic properties of 3 lithium-aluminum silicates, 14355

Pannell, James P., soil survey of Prowers County, Colo., 7137

Pants, see Trousers.

Paone, James, drillability studies, statistical regression analysis of diamond drilling, 2584

Papasavvas, Marina B., see Restos, Marina P.

Paper :

chromatography, electronic circuitry used to automate, 12913

current industrial reports, 3169, 8944

determining scattering and absorption coefficients by diffuse illumination, 11114

finishing and conversion equipment and supplies, U.S. Trade Center, Stockholm, Sweden, 4921

Government specification standards, 2066, 3380, 9178, 15054

Industry—

Government services available for promotion of products abroad (remarks), 6465

Industrial plant equipment handbook, 4675

industry report, 3788

laminates, paper base, list of publications, 8054

Paper—Continued

light sensitive, use for calibrating carbon arcs used in testing textiles for colorfastness to light, recommended method, 12981

sheet sizes and hole-punching data for filler paper and forms bound in ring, post and prong binders, military standard, 9374

trade and tariff information, summaries, 8765

Paper birch, see Birch.

Paperboard :

current industrial reports, 3169, 8944

industry report, 3788

see also Pulpboard.

Papers, see Records.

Paperwork (office practice) :

small store and service trade, recordkeeping systems, bibliography, 2856

Pappan, Josephine G., or heirs, relief, 610

Pappan, Julie G., or heirs, relief, 610

Pappan, Victore G., or heirs, relief, 610

Papua, mineral industry, minerals yearbook chapter, 9759

Para-aminobiphenyl acid :

PAH stability in frozen plasmas utilizing improved automated inulin method, 4185

sodium acetate effect on TmPAH depressed by exposure to hydrazine, 4177

Paraboloids :

shells of revolution, differential equations of axisymmetric vibration, 17946

spinning paraboloidal tension networks, 16903

Parachute riggers :

1 & C, aircrew survival equipmentman, supplement, 11652

3 & 2, aircrew survival equipmentman, supplement, 11652

Parachutes :

airdrop, supplies and equipment—
rigging 210 CFM Davey, trailer-mounted air compressor, Army technical manual, 113

rigging typical supply loads, Army technical manual, 112

designed for controllable gliding flight, wind-tunnel tests, 11512

opening, scale factors, 16984

Paradoxes in labor-management relations, 18088

Paraffins, distillable, identification from coal tar, 12795

Paragliders, see Gliders (aircraft).

Paraguay :

agricultural commodities, agreement, 1634

background notes, 1618

foreign trade regulations, 4446

investment guarantees, agreement, 7187

mineral industry, minerals yearbook chapter, 11361

Peace Corps volunteers, agreement, 7178

special study mission, report, 10568

Parahydrogen, see Hydrogen.

Parajon, Roberto E., and wife, relief, 823, 9269

Parallax, separations, wedge measures on large-scale 70-mm. aerial photographs, 16659

Parallel-T networks, see Networks.

Paralyzed Veterans of America :

incorporate, 16227

legislative program, hearings, 9172

Paramagnetic resonance, see Magnetic resonance.

Paramagnetism, see Magnetism.

Parameters :

limitations of explosive welding, study to establish process, 17999

calculating parameters of long-wave and ultra-long-wave antennas, USSR study, 15385

choice of influence functions using analog computer, USSR study, 1181

design, and cost of heat exchangers, evaluation of computer usage, 14324

- Parameters—Continued
 fissionable materials systems and nuclear safety, USSR book excerpts, 15408
 for predicting maximum surface temperatures of wood in exterior exposures, 1096
 helium-neon laser discharge parameter study, 17086
 hydraulic, effect on analysis of chugging, 11491
 jet streams and forecasting instructions in Kazakhstan, USSR, 4994
 kinetics, of 6 ablation polymers, determination by thermogravimetric analysis, 9896
 lumped-parameter systems, method of relating modal damping to local dampers, 5228
 mercury droplet, including effects of gravity, photographic study, 1509
 normal human serum, for simulated altitude and aerospace flights, 7341-42
 parametric studies—
 advanced multistage axial-flow compressors, 11419
 cost of multistage flash process, 15329
 low-density charring ablator, 2713
 one mgd brackish water reverse osmosis plant (spiral module concept), 9590
 serum of normal humans, parameters for simulated altitude and aerospace flights, 8868
 thermogalvanic couples, USSR study, 1241
 tracking system, human performance measured with version of crossover model, 17944
 ultrasonic propagation measurements, systematic errors, iterative reflection-interferometry method evaluated, 9983
 Parametric up-converter increases flexibility of maser, 9859
 Parapsychology:
 psychotronics, Trojan horse of irrationality?, USSR study, 11259
 report, USSR, 9659
 Parasites:
 crustaceans on teleost fishes of Hawaiian Islands, 11603
 genus *Gloioptotes* and new species, host specificity and intraspecific variation, 11607
 Nearctic, of genus *Rhyacionia*, key, with species annotations, 16649
 protozoa, subject catalogue, 15
 Parastereopolex, see *Crustaceans*.
 Parawings, see *Wings (aircraft)*.
 Parcel post, agreement and regulations of execution with Ethiopia, 17239
 Parental solutions, see *Solutions*.
 Parents:
 deceased veterans, liberalize payments, law, 443
 divorced or separated, income tax support test in case of children—
 law, 16134
 reports, 2022, 2099, 7693, 15091
 helping parents teach young children, note to agents, 4763
 parents and babies, note to agents, 4764
 parents and teenagers, note to agents, 4765
 parents of Peace Corps volunteers, special message, 5383
 points for participation in Head Start child development programs, 10912
 see also *Families*.
 Paris, France:
 Alr Show—
 news fillers, 8225
 newsletter, 8226
 Parity, see *Prices*.
 Park, Jeanne S., service, USDA's report to consumers, 3873
 Park, Stephen K.: equilibrium thermodynamic properties of high-temperature nitrogen, alkali-metal vapor mixture, 16974
 Park County, Wyo., Adam Weiss Peak quadrangle, geology, 2360
 Park Range, atmospheric water resources program, phase 1, 11774
 Park River and Valley:
 basin, engineer report—
 departmental edition, 15225
 document edition, 15059
 Parke County, Ind., soil survey report, 13127
 Parker, Evelyn E., cancer chemotherapy reports, 3076
 Parker, James F., jr., prototype specification for preparation of military flight manuals, 2784
 Parker, John G., rare-earth minerals and metals, 5123
 Parker, Lee W., theory of electrostatic planar and spherical probes, 6722
 Parker, Raymond L., composition of earth's crust, 12606
 Parker, Richard J., bearing torque and fatigue life studies with several lubricants, 11509
 Parker, Roy A., relief, 12354, 13618, 16123
 Parker, W. Russell, family housing for migrant agricultural workers, 11924
 Parker, William B., soil survey, Randolph County, Ala., 18215
 Parkevich, Valentina S., relief, 13773, 16203
 Parkfield, Calif.:
 earthquake, June 27, 1966, seismological and engineering report, 1934
 earthquakes of June-Aug. 1966, surface geologic effects, etc., 9574
 Parkhurst, Raymond T., commercial broiler production, 5623
 Parking Advisory Council, D.C., establish, report, 13802
 Parking Board, D.C., establish, report, 13802
 Parking of vehicles:
 facilities, establishment in D.C., report, 13802
 House side of Capitol, create select committee to regulate, report, 12274
 Parkinson, Fred L., evaluation of high energy rate forged gears with integral teeth, 8898
 Parkinsonism, Parkinson's disease, progress in research, 18181
 Parkinson's disease, see *Parkinsonism*.
 Parkman, Francis, 3-cent regular postage stamp (poster), 15644
 Parks, Greenspan grants to provide more space, general information, 5672
 see also *Education parks—National parks*.
 Parolees:
 reentry of offender into community, \$791 under supervision of Federal probation system, 15821
 Parotid fluid, see *Saliva*.
 Parr, S. C., aerial radiological measuring survey of area, 1781
 Parra, Juan F. A. Lamas y, see *Lamas, Juan F. A.*
 Parrish, Paul H., soil survey of Columbia County, Pa., 11804
 Parsley, production, 4110
 Parsnips, growing, information, 5643
 Participation sales act, see *Credit*.
 Particle board, see *Pulpboard*.
 Particles:
 absorptive properties of small particles, 5182
 atmospheric, improved analyzer, 15529
 charged, activation analysis, 1793
 dispersed fuel particles in beryllium oxide matrix, status of development, 7421
 experiments to investigate particulate materials in reduced gravity fields, 18000
 high speed, penetration mechanics, multi-variable analysis, 6708
 hydrodynamic characteristics, forces on sphere moving steadily along circular path in viscous fluid, 10258
 iron, at meteoric velocities, ionization probability, 11406

Particles—Continued

measurement of natural particulate fall-out onto high polar ice sheets, Antarctic and Greenland cores, 17374
 photographic method measures size and velocity in fluid stream, 6826
 size—
 cleanroom air sampler counts, categorizes, and records, 14409
 statistical analysis, 10017
 see also Alpha particles.
 Partnership for health, 13086, 15702, 17156
 Partnership for planning, 7080
 Partnerships, income tax returns, statistics, 6461
 Parts, computerized parts list system coordinates engineering releases, parts control, and manufacturing planning, 17929
 Passayten Wilderness:
 designate—
 hearings, 15163
 report, 17631
 Pascagoula River and Valley:
 ground water resources of basin, Mississippi and Alabama, 11190
 Tallahala Reservoir, engineer report—
 departmental edition, 13983
 document edition, 13557
 Paschell, William, sheltered workshops, pathway to regular employment, 6593
 Pase, C. P., helicopter-applied herbicides control shrub live oak and birchleaf mountain mahogany, 14111
 Passaglia, Elko, standard light-sensitive paper for calibrating carbon arcs used in testing textiles for colorfastness to light, 12981
 Passaic, N.J., area wage survey, 15438
 Passenger traffic, U.S. and foreign countries, 3822, 4910, 12633
 Passenger trains, see Railroads.
 Passengers:
 transportation survey, 1963 census of transportation, 10343
 travel between U.S. and foreign countries, 3822, 4910, 12633
 Passports:
 diplomatic courier visas, amending agreement with Rumania, 15789
 information for applicants, 7148
 summary of statistics, 3920
 United States, fees charged by foreign countries for visa, list, 7145
 visas, waiver of nonimmigrant fees, agreement with Japan, 2919
 you and your passport, application requirements, care, etc., 10096, 18226
 Paste soap, see Soap.
 Pasteurization:
 milk, facts, 14746
 radiation—
 Gulf shellfish, 13341
 Pacific crab and flounder, 13348
 seafoods, effect of irradiation on microbial flora surviving, 1800
 Pastry, baking, Army technical manual, 1770
 Pasture crops, see Forage plants.
 Pasture lands:
 cattle in woods or woods in pasture, 14093
 Kansas and Oklahoma, bluestem and Osage pasture report, 14692
 trefoil production for pasture and hay, 14741
 Patagonia Union High School District, Ariz., convey land to, hearings, 16303
 Patch, R. W., approximation for radiant energy transport in nongray, nonscattering gases, 11544
 Patent advisers, examination announcements, 205, 17453
 Patent examiners:
 examination announcements, 16075, 17461
 manual of procedure, 2786-88, 3538, 5371, 7034-35, 8608-9, 10022-23, 11688, 15642

Patent Office:

activities (address), 5372
 administration, investigation, authorization, report, 4604
 annual report, 7032
 appeals in patent and trademark cases, amend U.S. Code, report, 877
 changes in, and patent procedures and their significance for design engineer (address), 10020
 classification bulletins, 2785, 5368
 classification definition series, 5369, 8604-5, 11684, 13043-46, 17104-108, 18117-134
 decisions, 1966—
 departmental edition, 8606
 document edition, 7592A
 laws, investigation, report of subcommittee work, 9285, 13789
 official gazette, 3650
 patent reform act of 1967, message from the President, 6001
 press releases, 3750
 progress and program plans (address), 2789, 14601
 trademarks, index, 10021
 Patent System, President's Commission on, see President's Commission on Patent System.
 Patents:
 answers to questions frequently asked about patents, 8610
 appeals cases adjudged, 12437
 appeals cases, amend U.S. Code, report, 877
 changes in Patent Office and patent procedures for design engineer (address), 10020
 classification, 3650
 classification manual, 3536
 replacement pages, 7033, 8607, 14600
 code of Federal regulations, 9477
 current legislation, President's Commission, and other developments in our patent system (address), 11685
 decisions—
 weekly, 3650
 yearly, 1966—
 departmental edition, 8606
 document edition, 7592A
 Eastern Utilization Research and Development Division, list, 7254, 15831
 examining procedure manual, 2786-88, 3538, 5371, 7034-35, 8608-9, 10022-23, 11688, 15642
 Government policy—
 annual report, 2240
 hearings, 2127
 in official gazette, 3650
 index 1966—
 list of patentees, 11686
 subjects of invention, 11687
 international patent cooperation (addresses), 5370, 5372
 international patent structure (address), 13047
 law, revision, subcommittee work, reports, 9285, 13789
 laws, investigation, authorization, report, 4604
 National Aeronautics and Space Administration, policies, evaluation, 6043
 new, correlation function measurement and infralow frequency, USSR studies, 9647
 Northern Utilization Research and Development Division, list, 7253
 patent cooperation treaty, terms, effects (address), 14605
 patent practices and other measures, USSR agricultural academy discussion, 1207

INDEX 1967

- Patents—Continued
 patent reform act—
 international and national benefits (re-
 marks), 11689
 international aspects of patent regula-
 tions (address), 14603
 message from the President, 6001
 patent reform bill—
 and patent cooperation treaty needed
 (address), 16095
 means progress (remarks), 13048
 proposed changes in law (address),
 16091
 publications, price list, 5418
 Southern Utilization Research and De-
 velopment Division, semiannual list, 17,
 8812
 Soviet engineering, 9628, 9648
 waiver petitions, findings of fact, etc., of
 NASA Inventions and Contributions
 Board, 2731, 3684, 11577
 Western Utilization Research and Devel-
 opment Division, semiannual list, 16,
 11925
 Paterson, N.J., area wage survey, 15438
 Pathfinders from the stars, new scientific
 documentary film, announcement, 16085
 Pathochemistry of hemoglobins, 14215
 Pathogenesis:
 cystic lymphadenopathy of rats due to
 Rous sarcoma virus, USSR study, 6554
 infectious process, USSR studies, 6573
 radio-resistance, virulence and culture
 characteristics, effect of repeated treat-
 ment with gamma rays, 12018
 Pathologic Anatomy Branch, National Cancer
 Institute, histopathology laboratory
 procedures, 15689
 Pathological effects of thyroid irradiation,
 11029
 Pathologists, forest and forest products,
 examination announcement, amendment,
 8985
 Pathology:
 dwarfmistletoe parasitizing true firs in
 California, 5685
 laboratory profile of 283 healthy male
 adults, 7347
 molecular bases, USSR study, 11267
 Patients:
 aeromedical evacuation, patients' views of
 patient care, 17350
 Clinical Center, NIH—
 admission procedures, 13069
 normal volunteer patient program, hand-
 book, 7067
 normal volunteer, people with a purpose,
 7081
 referral procedures, 10044
 community mental health center—
 inpatient services, 11727
 outpatient services, 11728
 discharged from Public Health Service
 hospitals, diagnostic and demographic
 data, statistical summary, 8629
 in mental institutions, 1587, 5454-55,
 11749, 17157
 mental hospitals, State and county patient
 movement and administrative data,
 15697
 neuro-dermatitis, treating with electro-
 sleep and hypnosis, USSR excerpt, 17874
 personal care in homemaker services,
 report of conference, 5460
 Patman, Wright, portrait unveiling, pro-
 ceedings, 4465
 Patrick V. McNamara Federal Office Build-
 ing, Detroit, Mich., name, reports, 670,
 886, 10727, 17577
 Pattern recognition, system identification
 and pattern recognition, 9810
 Patterns:
 alterations, guide for leaders in clothing
 programs, 15856
 helipad standard marking, development
 study, 17734
 Patterns—Continued
 hide trim pattern for domestic cattlehides,
 standard of trade, 5283, 8517
 progress in aging, case study (series),
 4082
 signal patterning, effects upon perform-
 ance and responses, 8585
 Patterns of living and housing of middle-
 aged and older people, research conference,
 proceedings, 14634
 Patterson, James L., Missouri River basin
 floods, 1129
 Patterson, Sam H., bauxite reserves and
 potential aluminum resources of the
 world, 8154
 Patterson, Viola W., FAA air traffic activity,
 16550
 Patterson, Eagle, Greenough & Day, relief,
 7662
 Paul Kelly Flying Service, Inc., accident,
 17060
 Paul, Roger A., trace elements in common
 rock types and their relative importance
 in neutron-induced radioactivity calcula-
 tions, 1799
 Pauli, D. C., Project Sealab report, experi-
 mental 45-day undersea saturation dive
 at 205 feet, 11669
 Paulk, John, solar array regulators of Ex-
 plorer satellites XII, etc., and Ariel 1,
 12927
 Paulson, Helen M., performance of Farna-
 worth Lantern at Submarine Medical Re-
 search Laboratory, etc., 16845
 Paulus, Panagiotis, relief, 16201
 Pavements:
 airfield and heliport—
 evaluation concepts, technical manual,
 7392
 flexible pavement, evaluation, technical
 manual, 4216
 rigid pavement, evaluation, technical
 manual, 7393
 airfields—
 design, general provisions, technical
 manual, 4215
 evaluation concepts, technical manual,
 10275
 rigid pavement, evaluation, technical
 manual, 5744
 airport paving, 12486
 concrete, emergency construction, stand-
 ard practice, Army technical manual,
 1769
 evaluation for frost conditions, technical
 manual, 5741, 5743, 7394
 flexible design for roads, streets, walks,
 and open storage areas, emergency con-
 struction, Army technical manual,
 10277
 portland cement concrete, Dynaflect for
 non-destructive testing, evaluation,
 16524
 Paving, see Pavements.
 Pawlick, Eugene V.:
 dynamic characteristics of electron-bom-
 bardment ion thruster, 15033
 electron bombardment ion thruster, ac-
 celerator grid durability tests, 14462
 Pawson, David L., psolid holothurian genus
 Lissothuria, 8550
 Pawtucket, R.I.:
 area wage survey, 14290
 relief, report, 9082
 Paxton, P. Price, public library program
 amendments of 1966, 1135
 Pay, see Pay, allowances, etc.—Salaries—
 Wages.
 Pay, allowances, etc.:
 airman jobs, merited grade versus merited
 pay rankings, 7339
 Armed Forces—
 allotments to savings for persons miss-
 ing in action, etc., reports, 16266,
 17626

- Pay, allowances—Continued
 Armed Forces—Continued
 increase basic pay, message from the President, 9069
 combat pay, exclusion for commissioned officers in combat zones, increase, law, 452
 erroneous payments to military personnel for storage of household goods—
 law, 486
 report, 4589
 members of armed services, claims arising from correction of records, provide statute of limitations on payments, report, 2016
 per diem, to Coast Guard members assigned to Reserve Training Center, Yorktown, Va., refunds, payment to estate—
 law, 441
 report, 927
 uniformed services—
 increase basic pay, hearings, 17592
 members, travel, transportation, and education allowances for dependents' schooling—
 hearings, 10636
 reports, 10569, 12245
 United States Code, title 37, amend—
 law, 17537
 reports, 7706, 14942, 15089
 veterans, education allowance increase—
 hearings, 7758, 10859
 law, 16133
 report, 10792
 see also Travel.
- Payments:
 home mortgage payments, FHA guidelines, 6428
 how to avoid delays in payment, guide for contractors, 17698
 medical insurance claims under medicare, methods, 7127
- Payne-Gaposchkin, Cecilia, variable stars in Small Magellanic Cloud, 2859
- Payroll deductions, for Federal employees, report, 16385
- Payrolls:
 compensation expenditures and payroll hours—
 motor passenger transportation industries, 17893
 pipeline industry, 11310
- PCMR, see President's Committee on Mental Retardation.
- Pea aphids, alfalfa, how to control, 7274
- Peabody, Endicott, nomination, hearing, 9305
- Peace:
 food for peace act of 1966, law, 512
 in search of peace, basic goals of United States foreign policy, motion picture announcement, 7149
 nation building and peace building (address), 14209
 organizing the peace (address), 2882
 search for peace—
 5-cent commemorative postage stamp (poster), 11694
 in Viet-Nam, 8714, 14672
 southeast Asia, resolution to promote maintenance of international peace and security, hearing, 954
 United Nations peacekeeping dilemma, 10835
 war or peace in Middle East, study mission report, 10837
 water for peace, international conference, organize and hold in U.S., 1967—
 law, 503
 reports, 700, 2092
- Peace Corps:
 act, amend—
 hearings, 10833, 16326
 reports, 634, 10757
- Peace Corps—Continued
 advance training, program for college juniors, 5373
 annual report, 7036
 appropriations, 1967, law, 405
 appropriations, 1968—
 budget amendments, 12203
 hearings, 15014
 biographic register, 14670
 community development, by people, for people, 5375
 fact book, 5382
 field staff, Foreign Service list, 3349
 graduate students, 5376
 health workers, 5377
 language, breaking sound barrier, 5378
 liberal arts graduate, answer to what can I do in Peace Corps, 5374
 married couples in Peace Corps, two's company, 5379
 math & science teachers, 5380
 older volunteers, 5381
 parents of Peace Corps volunteers, special message, 5383
 Peace Corps volunteer (periodical), 3676
 press releases, 3751
 program directory, 7037
 quarterly statistical summary, 3802
 sports and recreation, 5384
 teaching, from rote to reason, 5385
 volunteers, agreement with—
 Antigua, 13146
 Central African Republic, 7186
 Chad, 2025
 Dahomey, 17237
 Dominica, 11850
 Gambia, 7193
 Guyana, 15787
 Korea, 2928
 Mauritania, 7177
 Paraguay, 7178
 St. Christopher, Nevis, and Anguilla, 11851
 St. Vincent, 11853
 Peaceful engagement with the East, address, 234
 Peach County, Ga., soil survey report, 14656
- Peaches:
 dried, U.S. standards for grades, 13895
 packinghouses, layout guidelines, 7247
 phony disease, control, 5641
 production, use, value, 1965-66, by States, 14695
- Peanut butter, good choice for thrifty family, food value, use, recipes, 9345
- Peanuts:
 acreage allotments, transfer—
 hearing, 13692
 report, 14948
 farmers' stock, cost of storing and handling in commercial facilities, 10923
 market news—
 price summary, 16443
 weekly report, 3677
 outlook for 1966-67 (talk), 4705
 stocks and processing, 3678, 18235
- Pearl, Robert B., paper, Apr. 25-May 2, 1966, 5885
- Pearl River and Valley:
 improve conditions, engineer report—
 departmental edition, 2216
 document edition, 1959
- Pears:
 dried, U.S. standards for grades, 13896
 marketing orders, amend law, hearing, 13693
 prepackaging at shipping point, 1703
 production, use, value, 1965-66, by States, 14695
- Pearson, Elmer G., water resources summary for southern California, 1127, 12616
- Pearson, Gregory L., water supply outlook and Federal-State-private cooperative snow surveys for Utah, 4050

INDEX 1967

- Pearson, Henry A., relationship between timber and cattle production on Ponderosa pine range, Wild Bill Range, 16652
- Pearson, John E., natural environment radioactivity from radon 22, 17140
- Pearson, Richard G., performance tasks for operator-skills research, 1821
- Pearson, Robert C., mineral resources of Ventana primitive area, Monterey County, Calif., 12604
- Peas:
dry split, good choice for thrifty family, food value, use, recipes, 9346
fresh, rail shipments study, 5646
processed, composition and flavor modification, 11917
- Peasants, mountain peasant life, USSR vignette, 15376
- Pebble-type reactors, *see* Reactors (atomic).
- Pebly, Harry E., jr., plastics in government, 2155
- Pecan, insects and diseases, control, 1679
- Peck, John H., Upper Ordovician formations in Maysville area, Ky., 2361
- Pectinids, *see* Scallops.
- Pedagogy, *see* Education.
- Pederson, John R.:
costs and economies of scale in egg-type chick hatcheries, 5649
prices and price spreads for eggs, frying chickens, and turkeys in 12 major cities, 11943
- Pederson process, *see* Alumina.
- Pediatrics, *see* Children.
- Peening, *see* Shot peening.
- Peering across the generation gap, 15214
- Pegasus, *see* Satellites.
- Pegmatite, ternary diagrams of quartz-feldspar content of pegmatites in Colorado, 1111
- Peishan Desert, geographical study, 2434
- Pejovich, Svetozar, role of technical schools in improving skills and earning capacity of rural manpower, 5040
- Pelagic amphipods, *see* Amphipods.
- Pelagic fur seal investigations, 14062
- Pelecypods, Mesozoic, Otapiria Marwick and Luperella Imlay, new genus, in United States, 8175
- Pelican (fishing vessel):
exploratory collection made in southwestern North Atlantic, 1956-60, correction, 8035
- Pell, Claiborne, study mission to East Berlin, Bulgaria, etc., report, 7809
- Pen barns, *see* Barns.
- Penalties:
civil rights, interference with, amend U.S. Code—
hearings, 17658
reports, 12283, 14951
collecting, Justice Dept. policies and procedures, GAO review, 11154
criminal, for making certain telephone calls in D.C., report, 9128
flag desecration—
hearings, 10661
reports, 12257, 12264
riots, inciting—
hearings, 15165, 16419
reports, 12282, 13664
thefts from interstate pipelines—
hearing, 2110
law, 377
report, 892
- Penalver, Rafael A., relief, 9203, 12147, 12215
- Pendarvis, J. M., jr., relief, 355, 564, 786
- Pendleton, Alfred M., ginning cotton to preserve fiber quality, 16568
- Pendulum sclerometer for surface hardness studies, 11381
- Penetrometers:
dynamic response to impact loadings of acceleration sensors having various mounting characteristics, 11521
- Penetrometers—Continued
technique to lunar surveying staff concept, experimental study, 11503
use for measurement of dynamic characteristics of soils, 14396
- Penitentiaries:
national, study—
authorization, report, 4607
report of findings, 12363
- Penland, Jim A., aerodynamic characteristics of axisymmetric, low-fineness ratio axisymmetric, low-fineness-ratio reentry shapes, 14495
- Penner, Omer, relief, 13570, 17496
- Pennington, Jack E., pilot-controlled docking of Apollo command and service module with lunar module, 2689
- Pennsylvania:
census of agriculture, 1964, State and county statistics, 7505
census of manufactures, 1963, area statistics, 1849
census of mineral industries, 1963, area statistics, 4296
climatological data, 3096
congressional districts, 90th Congress, 1888
county business patterns, 4317, 13380, 17428
distribution of Government-donated food commodities, GAO report, 6381
electric rate book, 14029
judgeships, temporary, for eastern district—
law, 17544
reports, 13834, 16236
mineral industry, minerals yearbook chapter, 8362
northeastern, Upper Silurian and Lower Devonian stratigraphy, 11167
precipitation data, hourly, 3401
southeastern Swatara Creek basin, evaluation of hydrologic system, 16703
women workers, 5610
- Pennsylvania anthracite, *see* Coal.
- Pennsylvania Avenue Commission, establish, report, 9266
- Pennsylvanian period:
Big Snowy and Amsden groups and Mississippian-Pennsylvanian boundary in Montana, 15309
Upper, Fusulinidae from Graford formation and Winchell limestone, Canyon Group, Brown County, Tex., 12615
- Pennywise teenagers, 15215
- Penobscot County, Maine:
bedrock geology of Shin Pond and Stacyville quadrangle, 17825
Island Falls quadrangle, bedrock, geological-geophysical investigations, 6401
- Pensions:
Canada, legislation, 5516
code of Federal regulations, 11043
corporate funds, issues raised by 1965 report of President's Committee (remarks), 10123
dependency and indemnity compensation to widows for service-connected deaths of their husbands, amend U.S. Code—
law, 367
report, 901
District of Columbia police and firemen—
equalize benefits for totally disabled, report, 9129
retired members, eligibility of widows to survivor benefits, provide, report, 10558
employee, annuity, etc., income tax, 9596
laws, compilation, 1991
Lighthouse Service—
former employees, increase, report, 12256
widows of former employees, increased annuities, report, 12253

Pensions—Continued

- Lighthouse Service—Continued
 widows of former professional employees, provide annuities, report, 12254
- military disability severance pay, recoupment requirements, modify, report, 14940
- plau, agreement with Canada, 15769
- private plans—
 OASDI beneficiaries, income status, 5514
 self-supporting Federal reinsurance program to protect employees, establish, hearing, 950
 vested benefits, 5501
- public employee retirement systems, benefits and beneficiaries, 11798
- publications, price list, 17135
- retired servicemen's family protection plan, 7375
- veterans—
 cost of living adjustments, hearings, 17592
 enlisted men, credit inactive Reserve service, report, 16270
 income limitations, hearings on miscellaneous bills, 17613
 laws, compilation, 755
 non-service-connected—
 additional wartime benefits, hearings, 7759
 pension and readjustment assistance act of 1967, report, 7712
 service connected death, liberalize payments to parents and children, law, 443
 Vietnam era readjustment assistance act, reports, 4507, 4596
- veterans' pension and readjustment assistance act of 1967—
 law, 16133
 report, 14963
- welfare and pension plans disclosure act—
 administration, 1966, report of Secretary of Labor, 12764
 amend with respect to filing of copies and making affidavits, hearings, 4531
 questions and answers, 14278
 reporting and bonding provisions, administration and enforcement, Labor-Management Services Administration, Labor Dept., GAO review, 8141
see also Civil service pensions.
- Penstocks, welded steel, design, construction, etc., 17178
- Pentaborane, toxic, alterations in tissue amines, modified by hydrazines and propynylamines, studies, 7357
- Pentagon, general information, 4229
- People with a purpose, 7081
- Pepelko, William E.:
 effect of different inert gases and low normoxic environments on oxygen uptake in mice, 76
 energy metabolism of rats born and raised in low-pressure pure oxygen environment, 5709
 long-term effects of oxygen environment on rat colony at 210 mm. Hg absolute, 1740
- Pepoon, Albert M., relief of widow, 13727, 16127, 16168
- Pepper, Leonard, deleterious effects of form lumber on concrete surfaces, 13988
- Peppers, bell, Botrytis rot, 34
- Pepsin, structure, X-ray studies, USSR, 12725
- Peptides, polypeptides and polymers related to collagen, USSR studies, 14270
- Pequonock River and Valley:
 basin, flood control, etc., engineer report—
 departmental edition, 2217
 document edition, 2076
- Perakis, Katherine M., relief, 356, 611, 845
- Percentage of filled fourwing saltbush seeds, 11128

Perception:

- color-name as function of stimulus intensity and duration, 14320
- depth—
 equidistance judgments in vicinity of binocular illusion, 139
 problems, 138
 stereoscopic angle and its relationship to standard Air Force tests, 70
 effects of sensory deprivation on sensory, perceptual, motor, cognitive, and physiological functions, 8419
 visual, adaptation to visual and nonvisual rearrangement, 5167
see also Color perception—Sight—Tactual perception.
- Perchlorates of nitrogen-containing bases, USSR study, 2458
- Pereira, Alfredo, relief, 12353, 16216, 17517
- Perez, Antonio L. Navarro, *see* Navarro, Antonio L.
- Perez, Armando, relief, 10713, 16191, 17505
- Perez, Felix H., *see* Hurtado Perez, Felix.
- Perez, Lucio A. Travieso y, *see* Travieso y Perez, Lucio A.
- Perez, Ortelio Rodriguez, *see* Rodriguez Perez, Ortelio.
- Perforations in jet engine supersonic inlet increase shock stability, 2655
- Performance (psychology):
 arousal as factor in reminiscence, 9981
 measuring human operator with parameter tracking version of crossover model, 17944
 nonverbal mediation, code transformation task that provides performance measures (COTRAN), 16916
- Performance capabilities of small grating spectrometers, 1549
- Performance ratings, *see* Efficiency ratings.
- Performance, story of the handicapped, 3680
- Performance tests, *see* Flowmeters—Helicopters—Mental tests.
- Performing arts:
 cultural presentations, USA, 1965-66, report, 17226
 Lincoln Center's student program opens new world to teenagers, 12465
- Perfumes, synthetic perfume materials, production and sales, 14703
- Perinatal mortality, *see* Death.
- Periodic solutions, *see* Mathematics.
- Periodicals:
 American agricultural, current, selected list, 14505
 Army Library, selected literature, list, 3867
 catalog of copyright entries, 10880, 16451
 general, currently received in Department of Labor Library, 5034
 Government, price list, 5414, 10039, 15670, 18150
 Labor Statistics Bureau, coverage of labor world, list, 1363
 magazine reprint MR series, 3532
 military, Air University Library index, 3014
 received in NIH library, 11757
- Periodontal disease:
 parotid fluid flow rate and periodontal status in human, 11965
 pyorrhea and other gum diseases, research explores, 2819
- Periodontal status in relation to parotid fluid and serum glucose levels, 4178
- Peripheral nerves, *see* Nerves.
- Peripheral vision displays, 12865
- Perishable agricultural commodities act, *see* Agricultural products.
- Perishables, *see* Agricultural products.
- Perkins, R. B., adhesives, sealants, and gaskets, survey, 5195
- Perlman, Robert, neighborhood service centers, 5595
- Perloff, Stephen H., salaries for selected occupations in services for the blind, 2499

INDEX 1967

- Permafrost:
geology of CREEL tunnel, Fairbanks, Alaska, 17378
perennially frozen ground, 1756
- Permanent Subcommittee on Investigations, *see* Government Operations Committee, Senate.
- Permeability:
and elutriation methods for determining specific surface of dry chemical fire-extinguishing powders, 11678
curves of concern to reservoir engineers, 14360
porous permeable rock for nuclear waste disposal, 9778
requirements of membranes for use in desalination by reverse osmosis, 15331
- Permian period:
paleontologic investigations of Permian system in United States, 16691
Permian tethyan fusulinids from California, 16699
rock units in Glass Mountains, west Texas, nomenclature, etc., 1113
- Permits, *see* classes of persons to whom, or subjects for which, permits are issued.
- Pernas-Receiro, Daniel, relief, 9197
- Perry, Barbour L.:
aircraft landing approach paths with rain-bow optical landing system, 5346
altitude rate command system, 9997
shadow box optical landing system, 11680
- Perry, John J., landing task in jet trainer with restricted fields of view, 11553
- Pershing, John J.:
memorial in District of Columbia, erection—
bearing, 740
law, 490
trophy, NGB announcement of winners, 14522
- Persian Gulf:
exploited by British and U.S. petroleum monopolies, 1188
lights and fog signals, list, 5332, 9973, 14579
- Persimmons, production, use, value, 1965-66, by States, 14695
- Personal and family survival, civil defense adult education course, student manual, 1905
- Personal communication system combines high performance with miniaturization, 11456
- Personal property:
American Academy in Rome, increase amount—
law, 16135
report, 14966
claims by employees of government of District of Columbia, settlement, report, 10610
Federal surplus, for health, educational, and civil defense purposes, how to acquire, 12621
Government owned, in U.S., territories, etc., inventory report, 4540
surplus, how to buy from Defense Dept., 10897
- Personnel, *see* Social workers.
- Personnel administration, *see* Administrative management.
- Personnel management, *see* Administrative management.
- Personnel management series, 14871
- Personnel Management Training Center, curriculum, administration, etc., 4405
- Personnel manual, *see* Civil service.
- Personnel Research Laboratory, technical reports, 4170-72, 5705, 7339, 11951-952, 13267-268, 15891-893, 17343-345
- Personnel workers, school pupil, certification requirements, 9396
- Persons under supervision of Federal probation system, 15821
- Perspectives in defense management (periodical), 12658
- PERT, *see* Program evaluation and review technique.
- Perturbations:
modifications in Brouwer's theory of general perturbations in rectangular coordinates, 2703
perturbation times in alkali-halide systems, 9996
random, effect on stability of attitude control systems, 11399
rounding error bounds by perturbation-condition analysis, 16978
singular perturbation problems with application in viscous flow, asymptotic expansions method, 9885
small, techniques, solve problem of oscillating cone in supersonic flow, 6849
- Peru:
air transport services, agreement, 2912
establishing business in, 231
loan of vessels, extension, agreement, 2930
mineral industry, minerals yearbook chapter, 11364
- Pest Control, Federal Committee on, *see* Federal Committee on Pest Control.
- Pesticides:
agricultural and household, safe use, 4098
chemistry and technology research, USSR study, 15350
chlorinated hydrocarbon, identification and measurement in surface waters, 4800
documentation bulletin, index to literature on pest control (periodical), 3683
equipment for applying soil pesticides, 14735
farmers' checklist for pesticide safety, 5668
farmers' expenditures for, 6171
health information, 15687
monitoring journal (periodical), 11008
organic phosphorus pesticides, commercial names, shipping containers, etc., technical reference, 9734
organophosphorus, poisoning, detection using automated method, 13351
pesticides and pesticide-related activities of USDA, 1966, progress report, 7294
pesticides and related products, production and sales, 8766
protecting honey bees from, 7275
registered agricultural chemicals, summary of uses, supplement, 8815
residues—
agricultural, monitoring, preliminary report of studies, 4086
cleanup and confirmation of identity by thin layer chromatography, 13206
in foods—
analytical manual, 16640
report, 15274
review, 20
- Pests:
agricultural inspectors outwit foreign pests, 4138
control, engineered performance standards, handbook, 11625
forest pest leaflets, 4820-21, 9529, 11104-105, 12567, 15278, 16646-647, 17793-796
intercepted plant pests, list, 7250
our struggle against, introduction for American youth, 1716, 7290
plant—
control, scientific careers, 13229
guard against for beautiful America, 1713
Plant Pest Control Division programs, 11921
plant pest control inspectors, examination announcement, 211
watch for new plant pests, 7285, 8840-42
see also insects.
- Pet shops, bibliography, 17195

Petak, L. P., determination of fixed base natural frequencies of shipboard equipments, etc., 11673
 Peter, A. C., define propagation characteristics of finite amplitude acoustic pressure wave, 8421
 Peters, Frank A., methods for producing alumina from clay, evaluation of lime-soda slater process, 9779
 Peters, James A., lizards of Ecuador, check list and key, 6948
 Petersburg National Battlefield, acquire Appomattox Manor for addition to, revision of boundaries, etc., report, 14962
 Peterson, C. F., propagation at 5GHz in Europe, comparison of predictions and measurements for various types of paths, 6223
 Peterson, Clarence E., instrumentation and automatic control, 1017
 Peterson, Esther :
 addresses, etc.—
 Mar. 10, 1967, 6588
 Oct. 10, 1967, 16796
 pennywise teenagers, 15215
 Peterson, Eugene G., relief, 324, 819
 Peterson, Henry B. :
 engineering observations on MB-5 aircraft fire-fighting and rescue vehicle, 9999
 full-scale fire modeling test studies of light water and protein type foams, 17092
 Peterson, J. R., high-performance once-through boiling of potassium in single tubes at saturation temperatures of 1500° to 1750° F, 15504
 Peterson, James P., structural efficiency of ring-stiffened corrugated cylinders in axial compression, 14470
 Peterson, John J., fatigue behavior of fusion welded wing structure under environment of supersonic transport, 16905
 Peterson, Robert L., finite lattice heat capacity effects on spin-lattice relaxation, 14516
 Peterson, Roger S. :
 limb rust damage to pine, 4848
 sweetfern blister rust, 4823
 Peterson, Roy E., derivation of meteorological body of data covering Northern Hemisphere, 8417
 Petitions for patent waiver, findings of fact and recommendations of NASA Inventions and Contributions Board, 2731, 3684, 11577
 Petraasek, Donald W., tensile properties of discontinuous-fiber composites, 8498
 Petrified Forest National Park, general information, 6981
 Petrography, see Rocks.
 Petroleum :
 accumulation in sedimentary rocks, gravimetric effects, 12608
 aircraft engine oil components, identification, use of thin-layer chromatography (TLC), 11674
 census of mineral industries, 1963, industry statistics—
 crude petroleum and natural gas, 5847
 oil and gas extraction, 7465
 oil and gas field services, 1854
 crude oil, market demand forecast, monthly, 3685
 crude petroleum and products—
 minerals yearbook chapter, 5101
 monthly statement, 3686
 Cut Bankfield, Mont., reservoir oil characteristics, 8376
 densities and porosities of core samples from oil wells, Appalachian fields, 11353
 drilling in sea regions, USSR study, 9640
 exploration, relation of mass properties of sedimentary rocks (series), 12608
 handling equipment and operations, Army technical manual, 5746
 heavy crude oil, resource, reserve and potential production in United States, 17912

Petroleum—Continued
 high boiling fractions, sulfur compound characterization studies, 2583
 industry—
 cost competitiveness for energy sources of future (remarks), 6439
 injury experience, 16851
 role of Interior Department (remarks), 8208
 interests, procedures to preclude more than just compensation, Engineers Corps, Army, GAO report, 16670
 International Convention for Prevention of Pollution of Sea by Oil, amendments—
 hearings, 745
 text, 5342
 international petroleum annual, 9757
 international petroleum quarterly, 3438
 interstate compact to conserve oil and gas—
 consent of Congress to extend—
 hearing, 15042
 report, 10737
 report of Attorney General, 15431
 Iran attacks oil consortium, 4972
 leases, reinstatement, etc., by Secretary of Interior, hearings, 13708
 Middle East oil crisis, blackmail charged by USSR, 15397
 Middle East oil problems, USSR commentary, 2441
 monopolies, British and U.S., exploit Persian Gulf, 1188
 oil fields, 5-spot waterfloods, computer techniques for predicting 3-phase flow, 15477
 oil industry's role in balance of payments voluntary program (remarks), 228
 oil pollution act of 1924, amend, hearings, 16435
 oil pollution of sea, international control, report, 16234
 oil-producing Arab nations, USSR report, 11254
 oil recovery predicted by waterflood and gas drive, Bradford Third and Sartwell sands, Sartwell oilfield, McKean County, Pa., 11373
 petroleum and related products, specifications and standards, reference list, 10903
 plants, investment and operating costs, bibliography, 14328
 products—
 military supplies, rigging typical load for high velocity airdrop, 8889
 survey (series), 2568-69, 9762, 12811, 16860
 publications, price list, 2803
 recovery of additional oil from water-drive reservoirs, 2574
 reservoir permeability curves of concern to engineers, 14360
 reservoir study of William Kaufman lease Clover-Rush Run oilfield, Roane County, W. Va., 14347
 review of expected supply-demand (remarks), 17847
 secondary recovery of oil by waterflooding, Mitchell and Berea sands, 14361
 statistical reporting improved through standardization of terms, forms, etc. (remarks), 5366
 study, improved continuous electrophoresis apparatus, 9764
 underground combustion oil-recovery experiments in Venango second sand, Reno pool, Venango County, Pa., 11372
 USSR industry, research, 1187
 waterflood performance, theoretical and field, Kase oilfield, Pa., 9769, 12814
 see also Oil shale—Pipe lines.
 Petroleum gases, see Gas—Liquefied petroleum gases.
 Petroleum products, see Petroleum.

- Petroleum refineries, United States and Puerto Rico, mineral industry survey, 15472
- Petroleum Transit Corporation, S.C., motor carrier accident, 16874
- Petrology, *see* Rocks.
- Pettibone, Marian H.:
bathyal polynoids from central and north-eastern Pacific, 6969
- type-specimens of polychaetes described by Edith and Cyril Berkeley, 5310
- Pettinger, L. F.:
forest insect conditions in Pacific Northwest, 8053
- insect outbreaks in Oregon and Washington, 2291
- Petty officers, *see* Navy.
- Pettyjohn, Wayne A., geohydrology of Souris River Valley in vicinity of Minot, N. Dak., 14184
- Pevtsov, Mikhail V., journey to Kashgariya and Kun-lun, translation, 15426
- PF series, 3690
- Pfister, Robert D., maturity indices for grand fir cones, 9534
- Pharmaceuticals, *see* Drugs.
- Pharmaceutics (USSR periodical):
translations, 3687
- Pharmacies:
medical restraint of trade act, hearings, 17661
- medicines and other pharmaceutical preparations which may be dispensed without physician's prescription, Czechoslovakian list, 12673
- physician ownership, hearings, print additional copies, reports, 916, 2030
- Pharmacists:
information for people almost 65, 5509, 8688
- Public Health Service careers, 15676
- residencies in Public Health Service hospitals, 13087
- R legend, FDA manual, 6360
- Pharmacologists, examination announcements, 14856, 16077
- Pharmacology, and clinical use of mercaptamines, USSR study, 8242
- see also* Ethnopharmacology.
- Pharmacology Section, N.I.M.H., workshop series, 17173
- Pharmacy, Main Pharmacy Administration of Moldavian SSR, proposals for improving labor organization, 15422
- Pharos experiment:
clamp system for capacitor bank, 11671
- vacuum clamp switch for capacitor bank, 9984
- Phase angle, standard for accurate measurements at audio frequencies, 6924
- Phase detectors, solid state, replaces bulky transformer circuit, 14442
- Phase diagram:
hafnium-carbon, investigation, 14340
- magnesium-cerium system, 1414
- Phase relations in uranium monocarbide region of system uranium-carbon-oxygen, 12821
- Phase rule and equilibrium, construction of pressure-temperature diagrams for multi-component systems after method of Schreinmakers, geometric approach, 2359
- Phase shift, antenna simulator permits pre-installation system checkout, 2648
- Phase shifters, heterodyne, with inductive delay line pickup, providing stepless phase shift, design, etc., 16977
- Phase studies:
boiling bubbles in water, activation, growth, and detachment from artificial nucleation sites of known geometry and size, 14491
- nucleation and growth of ice crystals, 6442
- Phase transitions, use to improve thermostatic control of instruments, 9924
- Phenolic asbestos, *see* Asbestos.
- Phenolic nylon, *see* Nylon.
- Phenolic resins, *see* Resins.
- Phenology, pines in Hawaii, 4854
- Phenols:
chemical safety data sheet, 9683
- transesterification of phosphites and phosphinites, USSR study, 1210
- Phenoxy herbicides:
acid, determination in water by electron-capture and microcoulometric gas chromatography, 15312
- using effectively, 11929
- Phenylketonuria, bibliography, list, 5906
- Philadelphia, Pa., area wage survey, 9743
- Philately and philatelist, *see* Postage stamps.
- Philippines:
agricultural commodities, agreement, 8746
- atomic energy cooperation for civil uses, agreement, 13144
- customs administration, agreement, 10101
- health information for travel, 13078
- investment guaranties, agreement, 5544
- loan of vessels, extension, agreement, 7172
- military bases, agreement, 2916
- relinquishment of certain land areas in Camp John Hay, 11843
- mineral industry, minerals yearbook chapter, 2562
- national service life insurance funds, peso payments—
law, 372
- report, 905
- petroleum products pipeline, establishment, agreement, 2915
- requirements regarding shipper's export declarations, annex to schedule B, 5897
- sailing directions, change, 7002, 8571, 15629
- telecommunications, radio broadcasting facilities, agreement, 1638
- veterans claims, settlement, agreement, 17234
- Veterans Memorial Hospital, grants-in-aid for medical care, etc., agreement, 14685
- Philipsburg, Mont., geology and ore deposits of district, 15305
- Phillips, Almarin, evidence on concentration in banking markets and interest rates, 14040
- Phillips, Bert, mechanical absorption of acoustic oscillations in simulated rocket combustion chambers, 5264
- Phillips, C. W., testing and rating refrigerated truck bodies, 17335
- Phillips, Charles R., computer program for analysis of gamma-ray spectra by method of least squares, 8630
- Phillips, John J., site index of Delaware-Maryland sweetgum stands in relation to soil characteristics, 4832
- Phillips, John O., geodetic operations in U.S. and in other areas through international cooperation, 14873
- Phillips, V. Estelle, Air University Library index to military periodicals, 3014
- Phillips, W. M., field bindweed and its control, 14749
- Phillips, W. Pelham, subsonic longitudinal aerodynamic characteristics of 40° semi-apex angle conical reentry configuration, 2701
- Philomedidae, *see* Crustaceans.
- Philosophy:
Academy of Sciences, USSR, seminars discuss latest concepts in philosophy and science, 1291
- contemporary problems of bionics and their philosophical significance, USSR studies, 1337
- development of sociological, psychological, political, and scientific theories, USSR study, 5024
- philosophical application of cybernetics in military science, USSR study, 1197

- Philosophy—Continued**
philosophical problems of natural science, subjects for research, USSR list, 16779
science, development, integrated problem, USSR study, 9674
- Phipps, Richard L.**, annual growth of suppressed chestnut oak and red maple, basis for hydrologic inference, 11171
- Phoenix, Ariz.**, area wage survey, 11329
- Phoneme-grapheme correspondences as cues to spelling improvement**, 1010
- Phonocardiogram simulator**, 14434
- Phonographs:**
and record player attachments, current industrial reports, 4323, 12072
Federal item identification guides for supply cataloging, supplements, 3292
- Phonons**, finite lattice heat capacity effects on spin-lattice relaxation, 14516
- Phonorecords**, Library of Congress catalog, 15459
- Phony peach disease, control**, 5641
- Phoria**, see Esophoria.
- Phosphates:**
deposits, origin, description, etc., 16687
fertilizer supply, 8819
industry, western, and its resources, evaluation—
trends and outlook, 11371
Wyoming and Utah, 11370
minerals, liberation and concentration by attrition grinding and sizing, 14348
mining, pneumatic vibrating-blade planer test operation, research progress report, 1411
reserved interests of U.S. in lands in Florida, sell to owners of surface thereof, 10526-527, 16165
superphosphates and other phosphatic fertilizer materials, current industrial reports, 3169, 5874
western ores, batch and continuous circuit beneficiation, 9781
- Phosphites, and phosphinites, transesterification by monohydric and polyhydric alcohols and phenols**, USSR study, 1210
- Phospholipases**, hemolytic and lecithinase activity, clostridium bacteria toxins effect, USSR study, 15388
- Phosphoric acid, electrolyte, water-vapor electrolysis cell**, 12858
- Phosphorus:**
furnace flue dust, extraction of germanium and gallium, 9789
metabolism abnormalities in potassium transport mutant of *escherichia coli*, 10235
mobilization resulting from conditions of inactivity in *Macaca irus* monkeys, study, 5707
organic phosphorus pesticides, commercial names, shipping containers, etc., technical reference, 9734
phosphoproteins, and phospholipids metabolism in experimental atherosclerosis of liver, USSR study, 1275
stereochemistry of organic compounds, USSR study, 1209
see also Organophosphorus compounds.
- Photo interpretation**, see Photographic interpretation (military science).
- Photoactivation of smooth muscle with ruby laser**, 17362
- Photobiology, general information**, 10311
- Photocells**, see Photoelectric cells.
- Photochemistry**, effect of additives on photolysis of poly (methyl methacrylate), 10015
- Photocopying, equipment**, industrial plant equipment handbook, 4672
- Photodegradation of high polymers in solution**, 5358, 10015
- Photodesorption of oxygen from nickel oxide powder**, 16995
- Photodiffusion in nerve and muscle cells under effect of local and irradiating excitation**, USSR study, 14259
- Photodiodes**, see Diodes.
- Photoelasticity, photoelasto-plastic method to study stress distributions in vicinity of simulated crack**, 8406
- Photoelectric cells, photocell shadowing technique improves light source detector**, 2674
- Photogrammetry, aerial, research work on Gulf Stream**, 5941
- Photographers, photographer's mate 3 & 2, Navy training course**, 1545
- Photographic apparatus and supplies:**
consolidated identification list for test evaluation, Federal supply catalog, Defense Dept. section, 3321
Federal item identification guides for supply cataloging, supplements, 3290
photographic equipment, industrial plant equipment handbook, 4672
- Photographic film detectors, film badge services, standards of performance**, 10047
- Photographic interpretation (military science):**
different viewing devices for photo interpretation, relative effectiveness, 10283
screening and overlapping imagery, influence on speed and accuracy, 14804
vertical and high oblique, photographs interpretation, 5750
- Photographs:**
catalog of copyright entries, 968, 2141, 6137, 17682
coronal, from solar eclipse, 11551
earth, pictures from Gemini missions, 12880
lunar orbiter I, mission summary, 8429
National Library of Medicine collection, 14527
point coordinates, laser measuring system accurately locates, 5154
portfolio of science teaching aids, 17158
- Photography:**
accurately measures rocket engine vibration, 6812
exposure value (EV) system expanded to include filter factors and transmittance, 6765
Lunar Orbiter I, 14394
Lunar Orbiter II, photographic mission summary, 17936
meteors, automatic-reduction procedure for data, 15510
PACAF basic bibliography, 8867
photo identification guide for land and forest types of interior Alaska, 15287
photographic method measures particle size and velocity in fluid stream, 6826
polarized light, used to identify fatigue zones in metals, 9846
process produces accurate registry between circuit board prints, 8476
public information photographic manual, 2763
scientific, Project Sully, 4235
time-lapse, using aircraft for cloud measurements, 10967
U.S. commercial exhibitions, how to photograph, 7566
see also Aerial photography.
- Photointerpretation**, see Photographic interpretation (military science).
- Photoionization**, see Ionization.
- Photolysis**, see Photochemistry.
- Photometry:**
flame, report, 14518
ground based photometric surveillance of passive geodetic satellite, 11413
spectrograms of 3 artificial meteors, 9902
see also Spectrophotometry.
- Photomultipliers**, improved design provides faster response time, 2653
- Photonuclear reactions, photonuclear data index, supplement**, 17034

- Photosynthesis, mineral nutrient requirements of *Chlorella sorokiniana* in continuous pure culture, 14779
- PHS, *see* Public Health Service.
- Phthalic anhydride, *see* Anhydrides.
- Phthalocyanine, uranyl compounds for brain tumor therapy, synthesis, 12842
- Physical chemistry, Academy of Sciences, USSR, report, 6579
- Physical education and training, *pléea please*, 1011
- Physical endurance, *see* Physical fitness.
- Physical examinations:
- ILO convention concerning medical examination of young persons for fitness for employment in underground mines, 16160
 - medical advisory boards for driver licensing, 8638
 - multiphasic health screening techniques for detection and prevention of chronic diseases—
 - hearings, 2103
 - print additional copies, report, 2031
 - report, 2104
 - youths for military service, analysis of results, 8900
- Physical fitness:
- demonstration center schools, project, 18145
 - exercise performance of man in oxygen-helium atmosphere, 88
 - for youth, suggested elements of school-centered program, 8617
 - man's physical endurance and its development, USSR study, 12698
 - new youth fitness test norms, 5408
 - physical fitness test, 1561
 - see also* Exercise.
- Physical Fitness, President's Council on, *see* President's Council on Physical Fitness.
- Physical geography:
- Communist China, selected papers of 1963 annual conference of Geography Society, 1319
 - geomorphic effects on earthquake in Martin-Bering Rivers area, Alaska, 2870
 - physiographic and hydraulic studies (series), 17823
 - physiographic history and soils, entrenched stream systems, and gullies, Harrison County, Iowa, 1722
- Physical science aids, physical science technician, examination announcement, 13445
- Physical sciences, *see* Science.
- Physical therapists:
- careers in Public Health Service, 18155
 - educational opportunities, Army Medical Service, 4230
- Physically handicapped, *see* Handicapped.
- Physician Manpower Division, its mission and organization, 18160
- Physicians:
- Armed Forces appointment and residency consideration program, information bulletin, 12441
 - Armed Forces medical officers, provide promotion opportunities, report, 14943
 - Army medical internship, 10294
 - brain drain into United States, staff study, 15029
 - electronic aids, USSR study, 1329
 - employed by District of Columbia, exemption from licensing requirements—
 - law, 17560
 - reports, 10559, 16384
 - hospital-based, services under medicare, reimbursement principles, 7119
 - medical restraint of trade act, hearings, 17661
 - medicines and other pharmaceutical preparations which may be dispensed without physician's prescription, Czechoslovakian list, 12673
 - ownership in pharmacies and drug companies, hearings, print additional copies, reports, 916, 2030
- Physicians—Continued
- Physician Manpower Division, its mission and organization, 18160
 - physician speaks on home care, 7082
 - physicians' handbook on medical certification, death, fetal death, birth, 13088
 - Project Head Start and physician, 6165
 - Public Health Service—
 - CORD, commissioned officer residency deferment program, 8626
 - residencies, general information, 8648
 - reporting injuries caused by firearms in D.C., law, 1208
 - reporting physical abuse of children in D.C., law, 479
 - residency training—
 - internal medicine, Veterans Administration Center, Dayton, Ohio, 15818
 - preventive medicine and dental public health, 7090
 - role in aeromedical evacuation, 4173
 - USSR—
 - medical men discuss economics of public health, 2462
 - medical worker's day celebration, 2476
- Physicists, examination announcement, 4388
- Physico-chemical modeling of information and thought processes, 1272
- Physics:
- Belorussian State University's Physics Department program, 17871
 - Bulgaria, status and perspectives, 16758
 - chemical, problems, USSR study, 11257
 - Communist Chinese abstracts, 3123
 - earth, 9920
 - East European abstracts, 3224
 - high and super-high vacuum physics, scientific and technical conference, USSR, 11250
 - high energy, 1966 international conference on instrumentation for, proceedings, 7419
 - high school course, USAF1 study guide, 17687
 - journal of research, National Bureau of Standards, 3458
 - KWIC index to journal of Health Physics Society, 15694
 - mathematical, journal of research, National Bureau of Standards, 3459
 - research, summaries of projects supported by AEC, 12015
 - scientific tests, standards, publications, price list, 2804
 - solid-state, new developments, Hungary, 16751
 - unitary symmetry in Hadron production reactions, consequences, tests, 5759
 - USSR abstracts, 4031
 - see also* Nuclear physics—Plasma.
- Physiographic and hydraulic studies of rivers (series), 17823
- Physiography, *see* Physical geography.
- Physiological chemistry, *see* Biochemistry.
- Physiological reactions:
- and vigilance performance under fixed and variable signal schedules, 14590
 - space-cabin atmospheres, inert gases, physiological factors, 9823
- Physiologists, examination announcements, 14856, 16077
- Physiology:
- analysis of so-called foresight in chimpanzee, USSR study, 1306
 - aspects of 20 days in full pressure suits, 20 days at 27,000 ft. on 100% oxygen and 34 days of confinement, 6723
 - basis of methods of increasing labor productivity, USSR study, 16766
 - bedrest effects, 2595
 - changes due to bed rest, effects of lower body negative pressure, 7346
 - contributions of scientists in hygiene, physiology, and scientific organization of labor, USSR study, 16767

Physiology—Continued
effects of—

- sensory deprivation on sensory, perceptual, motor, cognitive, and physiological functions, 8419
- signal patterning upon physiological responses, 8585
- functions in normal persons, effects of change in nutrition pattern, complex investigations, USSR study, 11281
- measurement of total body hemoglobin by bloodless technique, 10232
- measurements during space travel, USSR study, 8243
- mechanisms of physiological action of organophosphorus compounds, USSR studies, 6512
- medical, compartments, pools, and spaces, symposium, 15959
- medico-physiological incidences on pilot for flight patterns typical of VTOL, 11563
- physiologic baseline studies of zoologic specimens, chimpanzee under restraint, 7351
- physiological research, use of electronics, USSR study, 4964
- programmed physiological measurements and experience of its use on Voskhod spaceship, 6533
- protective efficiency of new prototype disposable passenger oxygen mask, 4248
- responses of pilots to severe weather flying, 5804
- work in space, USSR study, 8247
- PI series, Post Office Department, 1559, 2791, 13056, 17119
- Picketing:
 - situs picketing—
 - hearings, 10648
 - report, 10576
- Pickleworms, how to control on cucumbers, squash, etc., 4116
- Picloram, herbicide for killing chaparral species, preliminary rating, 8085
- Picnic shelters, wood construction, building plan, 5661
- Picnics, food selection, preparation, etc., to prevent foodborne illness, no picnic, 11746
- Picture story series, 4138-39, 8846, 11939, 15872, 17331-332
- Pictured Rocks National Lakeshore:
 - establish—
 - law, 387
 - report, 912
- Pictured Rocks National Lakeshore Advisory Commission, establish, law, 387
- Pictures, see Aerial photography.
- Piedmont region:
 - ground water, 9566
 - inner belt, N.C. and S. C., minor elements in alluvial magnetite, 8172
 - prescribed burning improves loblolly pine seedbeds, 12582
- Pleper, C. W., 20-hour follow-on flight test program, XV-9A hot cycle research aircraft, 7410
- Pierce, Clarence R., determination of tungsten resonance absorption integrals by activation, 18012
- Pierce, Margaret H., cases decided in Court of Claims, 970, 2142, 4663-64, 7840, 12436, 16453, 17686
- Pierce, W. F., medical news letter, 3547
- Pierce Mill, Rock Creek Park, general information, 6982
- Piersma, Bernard J.:
 - organic adsorption at electrodes, 10003
 - perturbation times in alkali-halide systems, 9996
- Pierson, Nathaniel H., retail trade, etc., 5591
- Pietri, E. E., analysis of reactor fuel element solutions, 13333

Piezo gages, see Pressure gages.

Piezoelectricity:

- miniature piezoelectric triaxial accelerometer measures cranial accelerations, 2659
- transducers, mechanical and electrical checkout while installed in system, 2658
- Pigeons, wild, and white winged doves, hunting, possession, transportation, importation in Alaska, 1967-68, Federal regulations governing, 14061
- Piggyback traffic characteristics, 8233
- Pigments:
 - light scattering in highly reflecting pigmented coatings, 14392
 - synthetic organic, production and sales, 14704
- Pigs, see Swine.
- Pike River, water pollution, control, etc., hearing, 738
- Pileggi, Joseph, commercial fisheries review, 3110
- Pillé, R. J., project fog drops, 6712
- Pillager bands of Chippewa Indians, see Chippewa Indians.
- Pillars (mine), see Mine pillars.
- Pillowcases, current industrial reports, 4339-40, 12080, 17435
- Pilot guides, see Coast pilots.
- Pilot plants:
 - Quehanna pilot plant 1st generation process operations, 5777
 - study of alkalized alumina system for SO₂ removal, 12831
- Pilots and pilotage:
 - Great Lakes and St. Lawrence Seaway pilotage services, agreement with Canada, 14689
 - Great Lakes, 1966, statistical report, 12139
 - see also Astronauts—Aviators—Ship pilots.
- Pimientos, canned, U.S. standards for grades, 17681
- Pin connectors, see Connectors (electric).
- Pin oak, see Oak.
- Pinal County, Ariz.:
 - geology of Mammoth quadrangle, 11163
 - population, special census, 10374
 - western, salinity of ground water, 1131
- Pinch, see Plasma.
- Pinchot, Gifford, National Forest, see Gifford Pinchot National Forest.
- Pine:
 - Appalachian loblolly grows well in Arkansas Ozarks, 2320
 - converting pin oak flat to pine, 14121
 - density and height growth in natural slash pine, 15289
 - follage, moisture content, seasonal fluctuation, 2305
 - forcing attacks of western pine beetles to test resistance, 8083
 - hybrids among pond, loblolly, and pitch pines, 14137
 - Jeffrey pine plantation, spread of dwarf mistletoe, trees infected after 22 years, 16658
 - knobcone, damage from freezing spring temperatures, 8117
 - limb rust damage, 4848
 - loblolly—
 - diameter growth and foliar nitrogen in fertilized soil, 8094
 - late planting improves survival, 8119
 - seed dormancy influenced by cone and seed handling procedures and parent tree, 8092
 - stands, periodic growth near Crossett, Ark., 2324
 - thinning from above and below, 8095
 - loblolly and shortleaf—
 - growing in Midsouth, 8827
 - heavy tip moth attacks reduce early growth, 14120

Pine—Continued

- lodgepole—
 - butt rot defect and potential hazard in recreational areas, 1093
 - effect of partial cutting in overmature stands, 14090
 - low stand density speeds tree growth, 11117
 - site indexes with corrections for stand density—
 - instructions for field use, 2333
 - methodology, 14145
 - tree, characteristics, influence on 2 x 4 stud yield, 14654
 - yield tables for managed stands in Colorado and Wyoming, 11140
- longleaf—
 - common plants of bluestem range, 2334
 - from several geographic sources, variation in brown-spot infection, 14118
- Monterey, silvical characteristics, 8113
- Norfolk Island pine grown in Hawaii, physical and mechanical properties, 8105
- operational summer planting of slash pine, 15285
- phenology and growth habits in Hawaii, 4854
- Piedmont loblolly pine seedbeds, prescribed burning improves, 12582
- pinus contorta X banksiana hybrids, early performance, 9533
- pinus ponderosa, performance of 14-year-old hybrids in western Montana, 8067
- ponderosa—
 - bibliography, 17805
 - broadest seeding on Challenge Experimental Forest, progress report, 16660
 - causes of natural mortality in old growth stands in western Montana, 4830
 - development of progeny in western Montana, 6365
 - planting sites in Southwest, herbicides for preparing, 14110
 - racial variation at Fort Valley, Ariz., 2315
 - reforestation for brushfield reclamation, 4844
 - seed flight, record, 1089
 - southwestern, cover, occurrence of stem features affecting quality, 14144
 - stands, thinned and unthinned, herbage-timber relationships, differences, 2316
 - tip moth, description, control, etc., 4820
 - transplants in Nebraska, 10-year growth of 2 sources of large grade, 2312
 - trees in Montana, distribution of bark beetle attacks, 11115
 - vener volume and grade recovery in southwest, 14115
 - weight and cubic-foot relationships for Black Hills saw logs, 6370
 - zone of Colorado, cattle diets on native and seeded ranges, 6569
- ponderosa pine-bunchgrass range in Colorado, cattle grazing effects, 14764
- red and jack pine stands, forest floor fuels, 2203
- red, plantation-grown, predicting specific gravity, 8061
- sand, regeneration, shelterwood method, 9539
- shortleaf—
 - seedling inventory methods on broad-east-seeded areas in Missouri Ozarks, 8072
 - stand volume equations, in Missouri, 14094
- slash—
 - do wet- and dry-site ecotypes exist in slash pine?, 12577
 - fire resistance of 2 seed sources, south Florida, 9540
 - performance of 2 varieties planted in south Florida, 9543

Pine—Continued

- slash—continued
 - seedling growth in Florida sandhills slowed by loss of topsoil, 14119
 - summer planting shows promise in Florida, 8118
- southern—
 - gluing amonium-salt-treated, with resorcinol-resin adhesives, 8063
 - properties, in relation to strength grading of dimension lumber, 2327
 - seed orchards, two new sucking insect pests of seed, 15283
 - vener cores, straight studs as byproduct, 8120
- sugar—
 - artificial ripening of seeds, 4856
 - branches, growth rate and survival probability of blister rust cankers, 14103
- western white—
 - diameter growth following precommercial thinning, 4826
 - market trends, 14089
 - mixed-pollen crosses, economical and reliable estimates of general combining ability for blister rust resistance, 9536
 - thinning and fertilizing increase growth, 6367
 - white, size and germination of seed collected at weekly intervals from 5 trees, 12580
- Pine Barrens:
 - hydrology and ecology, Pine Barrens, New Jersey (series), 6408
 - New Jersey, distribution of roots and rhizomes in different soil types, 6408
- Pine Bluff, Ark., population, special census, 10376
- Pine lands, see Timberlands.
- Pine lappet, see Lappet moths.
- Pine Mountain, primitive area, Ariz., mineral resources, 11166
- Pinellas County, Fla.:
 - engineer report—
 - departmental edition, 4735
 - document edition, 4477
 - land conveyance to—
 - law, 369
 - report, 900
- Pink bollworm, see Bollworms.
- Pins, Federal item identification guide, 17696
- Pinus banksiana, see Pine.
- Pinus contorta, see Pine.
- Pinus ponderosa, see Pine.
- Pinworms, life cycle, spread, etc., 7069
- Pioneer, see Spacecraft.
- Pioneer space probes, coding system, 14493
- Plotowski, Maria A., relief, 780
- Pipe and pipe fittings:
 - bending jacketed piping, technique cuts time and cost, 8453
 - cast iron soil pipe from Poland, determination of injury to U.S. industry, 17252
 - Corrugated metal pipe culverts, structural design, criteria and recommended installation practices, 2843
 - Federal item identification guides for supply cataloging, supplements, 3288
 - irrigation pipe trailer, farm building plan, 1707
 - jacketed cryogenic piping is stress relieved, 15553
 - liquid oxygen ducting cleaned by falling film method, 16947
 - pipe joints reinforced in place with fitted aluminum sleeves, 15541, 17954
 - pipe, metallic, Federal item identification guide, 10893
 - pipe welds, fixture facilitates helium leak testing, 12904
 - piping for ships of Navy, military standard, 2154
 - plain and rifled dredge discharge pipe, comparison tests, 7930

- Pipe and pipe fittings—Continued
spherical joint delivers loads equally to mating flange, 6823
tank filler pipes for automotive vehicles, Federal standard, 4795
- Pipe lines:
forced discontinuous oscillations of fluid, 6912
interstate natural gas, safety requirements, etc., hearings, 6093
natural gas—
maps, 1049, 12509
safety regulations, hearings, 16403
sales by producers to interstate pipeline companies, 7973
statistics for interstate companies, 2247, 17760
oil—
transport statistics, 4929
transportation revenue and traffic, 3975
penalties for thefts from pipelines—
hearing, 2110
law, 377
report, 892
petroleum products, establishment, agreement with—
France, 7169
Philippines, 2915
pipeline industry, compensation expenditures and payroll hours, 11310
test sheet permits valve and valves actuator to move as single unit in cryogenic pipe line, 6698
- Pipe threads, see Screw threads.
Pipelines, see Pipe lines.
- Piper, Arthur M., potential effects of Project Chariot on local water supplies, northwestern Alaska, 2369
- Piropiasmosis, equine, 1966, report, 1675
- Pisacane, V. L., stabilization system analysis and performance of GEOS-A gravity-gradient satellite (Explorer XXIX), 17940
- Piscataquis County, Maine, geology and petrology of Greenville quadrangle, 16684
- Pistols, registration in District of Columbia, require, hearings, 10644
- Pistons:
gas-dynamics calculation of installation with light piston, USSR study, 4999
manufacture, for high-speed engines using slotted aluminum powder, USSR study, 4969
- Pitch:
harmful, in woodpulp, review of methods for estimating, 11112
resin fraction from various low-temperature tar pitches, characterization, 6632
- Pitch (aircraft):
pitch maneuver speed margins for supersonic transport configuration with variable-sweep wing, 17000
- Pitch (motion):
Gemini configurations, damping and stability in pitch and yaw, errata, 1474
pitching moments caused by tail of aircraft model, equations for application of wind-tunnel wall corrections, 2715
stall pitch-up, piloted simulation study of operational aspects, 12967
- Pitch (music), see Musical pitch.
- Pitch control motors, launch escape system of Apollo spacecraft program, qualification evaluation, 15560
- Pitch pine, see Pine.
- Pitcher, Charles B.:
gas, characteristics and distribution, and market for gas equipment in Western Europe, 16102
market for residential heating equipment in Federal Republic of Germany, 5953
- Pitman, Norman J., relief, 331, 601
- Pittard, E. B., comparison tests of plain and rifled dredge discharge pipe, 7930
- Pitts, Donald G., visual illusions and aircraft accidents, 11958
- Pittsburgh, Pa.:
aeroradioactivity survey and areal geology of area, 1779
area wage survey, 11317
flood protection, Turtle Creek, channel improvement, hydraulic model investigation, 7932
- Pividal, Rafael J. Nobo y, see Nobo y Pividal, Rafael J.
- Pixley National Wildlife Refuge, general information, 8031
- PKU, see Phenylketonuria.
- PL 480 newsletter, 3507
- Placement, handicapped, summary of inspection findings, 10432
- Plaiker, George, geologic effects of Mar. 1964 earthquake and associated seismic sea waves on Kodiak and nearby islands, Alaska, 1121
- Plague, USSR, Operation Ore, from memoirs of L. A. Zil'ber, 6556
- Plains States, see Great Plains.
- Plane isotropic buildup factors for bremsstrahlung calculations, 15565
- Plane stress, see Strains and stresses.
- Planetariums, elementary-school teaching resource, 5278
- Planetary environment, see Environment.
- Planetary gearing, see Gearing (planetary).
- Planetary-interplanetary program, Venus and Mars, advanced manned planetary mission programs, nominal natural environment, establish numerical values, 8436
- Planetary topography, see Topography.
- Planets:
atmospheres—
predictions of shock-layer radiation from molecular band systems, 6890
structure, from on-board measurements of pressure, etc., 9904
thermodynamic equilibria, 11426
Venus and Mars, investigation, 5276
heat transfer and temperatures distribution of conical porous membrane during planetary entry, 11554
infrared radiation, outgoing, from planetary atmosphere, theoretical computations, 14457
ionospheres, investigation, 12847
modifications in Brouwer's theory of general perturbations in rectangular coordinates, 2703
parachute opening, earth simulations of planetary deployments, 16384
radar observation, USSR study, 1242
Voyager program, voyage to planets (remarks), 8514
- Planing machines, pneumatic vibrating-blade planer, test operation, 1411
- Plankton:
Antarctic krill, Soviet fishery research, 15345
control of growth, organotin compounds used, USSR study, 2460
vertical distribution, pump and reeled hose system for studying, 14065
see also Zooplankton.
- Planning:
and zoning in Appalachia, suggestions, 7884
community health planning, role of health and welfare councils, 2832
farm irrigation systems, 14652
flood information for flood-plain planning, 9567
health services, extension of remarks, etc., 7080
layout and arrangement for safety in industry, instructor outline, 8292
long-range forecasting and planning, Air Force symposium, 17340
long-range mine planning, production-scheduling model, etc., 9786
planning for the later years, 18207
quantitative methods for management, 11591

Planning (economics), *see* Economic policy—Housing.
 Planning (Federal), *see* Economic policy.
 Planning (programming), *see* Programming (planning).
 Plans, *see* Architecture.
 Plans for Progress :
 press releases, 3752
 program, 11298
 Plant diseases, *see* Diseases of plants.
 Plant Pest Control Division, programs, 11921
 Plant pests, *see* Pests.
 Planting :
 late, improves loblolly survival, 8119
 potatoes and sweet potatoes, dates, by seasons, in principal areas, 13211
 see also Crops—Tree planting.
 Plants :
 common, longleaf pine bluestem range, 2334
 foliage, production and sales, etc., 10108
 inventory, material received by New Crops Research Branch, 8810, 15828
 ornamental, marketing and other economic information, bibliography, 7885
 Pacific Island studies, new and noteworthy flowering plants from Fiji, 12997
 plant quarantine inspector—
 examination announcement, 12100
 plant pest control inspectors, examination announcement, 211
 plant-protecting agent industry and research, world status, with special reference to Hungarian condition, 16750
 plant regulatory officials of States, Canada, and Mexico, 5618
 problems of biological productivity of terrestrial plant communities, work of symposiums, USSR conference, 4968
 publications, price list, 5417
 quarantine import requirements—
 Australia, 8811, 13206, 17302
 Canada, 15829
 Fiji, 17303
 foreign countries, summaries, list, 4087
 Japan, 5617
 South Africa, 4089, 14734
 quarantine notices under plant quarantine act, P.P.C. series, 3667
 tissue, variations in respiration during gamma radiation, 8511
 underwater and floating-leaved plants of United States and Canada, field identification guide, 15267
 vascular—
 insect associational studies, bibliography, 8804
 of Intermountain region, checklist, 14125
 woody plants and related nursery products, bibliography on marketing, 1708
 see also Annuals (plants)—Diseases of plants—*also* names of plants.
 Plants (Industrial) :
 dairy plants manufacturing ice cream and ice cream novelties, automation, layouts and operating criteria, 1702
 defense-oriented industries, shipments, 1965, current industrial reports, 8946, 13394
 equipment handbooks—
 air purification equipment, industrial fans, blowers, and vacuum cleaners, 4674
 automatic data processing systems, 7848
 chemical analysis and laboratory instruments, 4673
 chemical and pharmaceutical products manufacturing machinery, 7851
 industrial boilers, heat exchangers, and steam condensers, 977
 industrial marking and assembly machines, 7850
 materials feeders, 6141

Plants (Industrial)—Continued
 equipment handbooks—continued
 miscellaneous maintenance and repair shop specialized equipment, 7852
 photocopying and photographic equipment, 4672
 pulp and paper industries and size reduction machinery, 4675
 rubber and plastics working machinery, 7849
 specialized ammunition and ordnance machinery, 9367
 expenditures for new plant and new equipment, annual survey of manufactures, 7455
 expenditures for plant and equipment, 1963 census of manufactures, 4276
 industrial location as factor in regional economic development, 13936
 Lugansk locomotive-building plant, book-keeping organization, USSR study, 1293
 manufacturing establishments, book value of fixed assets and rental payments for buildings and equipment, annual survey of manufactures, 17418
 poultry and egg, operating under USDA inspection and grading programs, list, 2137, 16446
 relocation and core city worker, 16711
 smoked-fish plants, steps to effective sanitation, 9514, 16619
 storage maintenance of industrial plant equipment, quality assurance program, 13912
 tours for international visitors to U.S., 11888
 under USDA continuous inspection, processed fruits and vegetables, etc., list, 16447
 see also types of industrial plants.
 Plants, fossil, Tertiary, from Cook Inlet region, Alaska, 2365
 Plasma :
 acceleration, 3-dimensional, through magnetic fields, etc., 5256
 accelerators, variable-length constant-velocity traveling magnetic wave, experimental investigation, 18034
 anisotropic, neutron production by fusion, 5347
 boundary interactions, 15512
 cold plasma, plasmatron principles and uses, USSR study, 16748
 collisionless, time-dependent structure of one-dimensional magnetic compression waves in oblique ambient magnetic field, 11508
 computer simulation of plasma and many-body problems, symposium, 16928
 concept for using laser beams to measure electron density in plasmas, 6807
 electron temperature from X-ray continuum radiation emitted from high temperature plasmas, 11681
 high frequency properties, 8510
 hollow cathode, penetration study, 2612
 homogeneous, weak turbulence, 8906
 hot, with cold gas, production of inverse population by mixing, USSR study, 17866
 hydrogen, superheated, using induction heating of cold plasma and DC plasma enhancement, production, 5166
 inhomogeneous lossy dielectric slab, input admittance of rectangular waveguide-fed aperture antenna, radiating into, 18028
 ionized, use to create laser, USSR study, 4998
 low energy, experiments, 17942
 low-pressure, radio frequency induction heating, 18035
 movable rf probe eliminates need for calibration in accelerators, 17973
 oscillations stimulated by pre-bunched electron beam, 12870

Plasma—Continued

- physics—
 - and controlled nuclear fusion research, translated Russian papers, 5756
 - methods of high-speed measurement, 4997
 - numerical experiments, 1791
 - potential and charge distributions, computer programs calculate, 2668
 - reentry, about manned orbital spacecraft, deduction of properties from radio signal attenuation data, 14494
 - sheath, radiation of cylinder, 5176
 - spectroscopic temperature measurements, 2714
 - stability and Bohr-van Leeuwen theorem, 8495
 - tenuous, volume ion production costs, 15577
 - theta-pinch facility, report of Ad Hoc Panel on Scyllac, 13347
 - uniform and nonuniform, ion cyclotron wave generation and electron inertia effects, 12962
 - vacuum clamp switch for Pharos capacitor bank, 9984
 - warm collisional, resonant frequencies of immersed dielectric sphere, 12929
- Plasma (blood), *see* Blood.
- Plasma guns, heat output of accelerator, measuring with fast-acting calorimeter, 12911
- see also* Coaxial plasma gun.
- Plasma jets:
 - electrode, longer operating life, 8385
 - technology, NASA contributions to use in chemical processing, 12867
- Plasma Physics Laboratory, annual report, 7424, 13330
- Plasmatrons, principles and uses, USSR study, 16748
- Plasma, William T., land disturbances from strip-mining in eastern Kentucky, 8077, 17801
- PLASTEC notes, 2155-56, 4680, 12446, 17701
- PLASTEC reports, 981, 2157, 7864, 17702
- Plaster casts, knee, adjustable hinge permits movement, 9829
- Plasterers, examination announcement, 10415
- Plastic sheets, *see* Sheet-plastic.
- Plastic strain, *see* Strains and stresses.
- Plastic surgery, *see* Surgery.
- Plasticity, scientific bases, 1965, USSR research, 2453
- Plasticizers, production and sales, 17256
- Plastics:
 - and related materials—
 - guide to test methods, 17701
 - military applications, 12446
 - borax dispersion in plastic, excellent fire-retardant heat insulator, 8384
 - composites, industrial evaluation of radiation, 5780
 - compositions, classification definitions, 8605
 - copper-acrylic enamel serves as lubricant for cold drawing of refractory metals, 5140
 - directory of knowledgeable Government personnel, 2157
 - discrete-element methods for plastic analysis of structures, 17933
 - encapsulation of electronic parts, review, 7864
 - filament-winding, m-aminobenzyl amine (MARA), syntheses, properties, and uses, 9989
 - glass reinforced fabrication techniques for aircraft structures, 4222
 - glossary of terms, consensus, 4680
 - infrared spectra, related polymeric materials (elastomers), 15636

Plastics—Continued

- microvoids in glass-filament-wound structures, measurement, minimization, and correlation with interlaminar shear strength, 11677
- military standardization handbook, 980
- PLASTEC notes, 2155-56, 4680, 12446, 17701
- PLASTEC reports, 981, 2157, 7864, 17702
- plastics in Government, 4 papers presented at 1966 annual conference, Society of Plastics Industry, 2155
- polystyrenesulfonate model membranes, polymer structure and ionic transport, 9592
- reinforced plastic laminates, list of publications, 8054
- shipments of selected products, 1965, current industrial reports, 7480
- technical conference papers, index, bibliography, etc., 981, 17702
- thermoplastic rubberlike material produced at low cost, 2623
- thermosetting strength, thermal and chemical stability improved, 14412
- tubing, protects flexible copper hose, 6755
- U.S. production and sales, preliminary report, 3699
- working machinery, industrial plant equipment handbook, 7849
- see also* names of articles made from plastics.
- Plastics Technical Evaluation Center:
 - PLASTEC notes, 2155-56, 4680, 12446, 17701
 - PLASTEC reports, 981, 2157, 7864, 17702
- Platas-Prohias, Dario L., relief, 10711
- Plate glass, *see* Glass.
- Plateris, Alexander A., divorce statistics analysis, United States, 17172
- Plates:
 - circular, bending while confining incompressible liquid, 97
 - cracked specimens, displacement gage for crack-extension measurements, design and use, 1513
 - crackline-loaded edge-crack specimens, stress intensity factors, 6869
 - duality between problems of stretching and bending of plates, 5186
 - edge-stiffened rectangular, subjected to loads and temperature gradients, plane-stress analysis, 16895
 - fabricated from glass filaments and epoxy resins, compressive behavior, 9895
- flat—
 - chilled, experimental and analytical study of transient solidification of flowing warm liquid, 12935
 - with attached protuberances, heat-transfer measurements in turbulent boundary layer, 5232
 - with oblique jet impingement, pressure, fluctuations, 14388
- Fresnel diffraction plates are simple and inexpensive, 16945
- Infinite, nonuniform radial loads applied to boundary of circular hole, 17914
- instrumented parallel plate system, absolute viscosity measured, 8467
- nonlinear problems, incremental procedure for solution, 2727
- rectangular—
 - maximum response to random excitation, 16892
 - vibration with various boundary conditions, effect of edge loadings, errors, 12919
- square, dynamic characteristics by passive analog simulation, 1568
- stresses at tip of longitudinal crack in plate strip, 14498
- thin, flat, circular, effects of uniform and variable loads, equations provide tabular information, 8399

- Plates—Continued
see also names of metals, etc., of which plates are made.
- Platforms:
 work—
 supported by self-locking blades, 12906
 with adjustable, self-locking ladder, 9834
- Plating:
 complex surfaces plated by thin-film deposition in one operation, 8447
 evaporant feed device facilitates flash vapor deposition process in vacuum, 16955
 ion plating on surfaces having various configurations, deposition of thin films, 1510
 pyrophosphate copper plating, steel test panel helps control additives, 17969
 thin plastic sheet eliminates need for expensive plating, 6836
see also Nickel—Silver plating.
- Platinum:
 electrode—
 in high-purity closed system, potentiostatic current-potential measurements, 10011
 interaction of carbon dioxide with hydrogen chemisorbed, errata, 8586
 electrodeposition of thick coatings on refractory metals from aqueous electrolytes, 16861
 metals group, sliding friction, 15578
 metals, mineral industry survey, quarterly, 3689
 platinum-group metals, mineral industry surveys, annual, preliminary, 5122
- Plato LAC 12, lunar chart, 10225
- Platt National Park, general information, 6983
- Platte River and Valley, water supply outlook and snow surveys, 4045
- Platystomatidae, *see* Flies.
- Plays, *see* Drama.
- Pleasanton Plant Materials Center:
 relocation—
 hearings, 16303
 law, 17539
 reports, 13669, 15128
- Please don't eat the poison ivy, 13959
- Plebuch, Raymond O., water resources of Pulaski and Saline Counties, Ark., 8181
- Plotters:
 computer routine adds plotting capabilities to existing programs, 2643
 design, image sensor, simplifies transfer characteristics, 12915
 digital, automatic, subroutines GEORGE and DRASTIC, simplify operation, 15485
 use in East German air defense system, 2437
- Y-Y, use of oscilloscope, 15539
- Plotting boards and plotting, contour plotting, computer program utilizes FORTRAN IV subroutines, 16958
- Plowshare program (civil, industrial, and scientific uses for nuclear explosives):
 reports, 1798-99, 4235-37, 5781-82, 5787, 7426, 10312, 10491, 13342, 15962, 17394-398
- Plugs, expansion, replaces weld filler as seal in complex casting, 2632
- Plumbbob Operation, *see* Operation Plumbbob (nuclear effects test).
- Plumbers, safe work guide, 11205
- Plumbers' supplies:
 plumbing fixtures, current industrial reports, 3170, 17423
 porcelain enameled formed steel plumbing fixtures, standard of trade, 6918, 17037
- Plumbing, equipment, Federal item identification guides for supply cataloging, supplements, 3288
- Plumbing fixtures, *see* Plumbers' supplies.
- Plumes, *see* Jet plumes.
- Plums, production, use, value, 1965-66, by States, 14695
- Plutonium:
 ages of plutonium-beryllium neutrons in tungsten-water media, 1502
 concentration and isotopic composition in reactor fuel element solutions, 13333
 metallography, principles, 10298
 radiochemistry, 126
 used as nuclear fuel, determining price, USSR study, 15373
- Plutonium isotopes, plutonium-238 in reactor fuel element solutions, spectrometric determination, 13333
- Plymouth County, Mass., Taunton quadrangle, geology, 9560
- Plywood:
 effect of panel thickness and noncombustible inserts on surface flammability, 8064
 Federal item identification guides for supply cataloging, supplements, 3288
 hardwood, current industrial reports, 5862, 15997
 manufactured in Michigan and Wisconsin, distribution methods and end-uses, 8074
 softwood—
 construction and industrial, standard of trade, 11586
 current industrial reports, 5873, 16003
- Plywood mills, closures, Michigan and Wisconsin, 2308
- Pneumatic insulation suit for radioactivity protection, USSR, 14231
- Pneumatic tube transportation, solids, proceedings, Institute of Gas Technology-Mines Bureau symposium, 2542
- Pneumatic wrench retains or discharges nuts or bolts as desired, 6701
- Pneumodensography, pediatrics application, 12748
- Poats, Rutherford M., nomination, hearing, 9312
- Pocket data book, USA, 5890, 5986
- Pocket-size manual tape reader device aids computer tape checking, 17972
- Podall, H. E., permeability requirements of membranes for use in desalination by reverse osmosis, 15331
- Podgwaite, John D., bacteria of living and dead larvae of *Porthetria dispar*, 8075
- Podiatry, *see* Chiropody.
- Podosenium, *see* Mühlenbergia.
- Poetry:
 anthology of poetry and verse, Indian Affairs Bureau, 4911
 recorded, checklist of archives in Library of Congress, 5089
- Point, *see* name of point, except when occurring as first name of town, etc.
- Point Conception, Calif., to Mexican Border, coastal warning facilities chart, 11904
- Point Reyes National Seashore, land acquisition, clarify and increase authorization, law, 385
- Point source detection by scintillation survey meter, 1787
- Point-source detection system rejects spatially extended radiation sources, 6784
- Poison ivy, identification, precautions, eradication, 10164
- Poison oak, identification, precautions, eradication, 10164
- Poison sumac, identification, precautions, eradication, 10164
- Poisoning, *see* Lead poisoning.
- Poisonous plants, *see* names of toxic plants.
- Poisons:
 acute hydrazine toxicity in mice, toxicologic studies, 4183
 and other substances harmful to health, Czechoslovakian study, 14265
 chemicals, properties and uses, USSR study, 12680
 control centers, directory, 17139
 maggie reduction in an urban roost, 16635

Poisons—Continued

- National Clearinghouse for Poison Control Centers, bulletins, 3593
- organophosphoric compounds, antidotes against intoxications, Rumanian study, 1271
- organophosphorus compounds, intoxication by, clinical and therapeutic aspects, Polish study, 4935
- toxicity—
 - airmen who apply insecticides from aircraft may suffer ill-defined effects, 17410
 - monomethylhydrazine on frog cornea, 10242
- see also Sprays and spraying—also names of poisons.

Poland:

- cast iron soil pipe, determination of injury to U.S. industry, 17252
- claims of U.S. nationals against, determination, hearing, 732
- diabetics treated at health resorts, 17865
- joint Soviet-Polish scientific and technical meeting, USSR study, 9658
- life described, 5001
- mineral industry, minerals yearbook chapter, 2563
- 1,000th anniversary of founding, commemorative medals, law, 361
- production growth, quantitative analysis, 6482
- Pugwash conference report, 1234
- public health organization problems, 15425
- Soviet-Polish symposium on development of science, 15411
- trade in cotton textiles, agreement, 11866

Polar bears, International Scientific Meeting, proceedings, 2280

Polar regions, see Arctic regions.

Polar Scientific Research Institute of Sea Fisheries and Oceanography, USSR, activities, 6551

Polarimeters, see Polariscopes.

Polaris (star), see Pole star.

Polariscopes:

- digital polarimeter, duty-free entry for Mount Holyoke College, 13775, 14901
- polarimeter provides transient response in nanosecond range, 8455

Polarization (electricity):

- antennas for Gemini VHF-UHF polarization experiment D-14, 10009

Polarization (light):

- fatigue zones in metals identified by polarized light photography, 9846

Polarography, new electrolyte may increase life of polarographic oxygen sensors, 6740

Polaroid film helps locate objects in inaccessible areas quickly, 6743

Pole star, ephemeris, 17902

Polend, Robert B., services offered by National Agricultural Library, 5282

Poles:

- spiral grain, cause of pole twisting, 14129
- twist and bending strength, effect of spiral grain, 14126
- wood utility, performance study, 1951-63, 1597

Polhamus, Edward C., vortex lift of sharp-edge delta wings, 2726

Police:

- and community relations, national survey, 13062
- Capitol, employ additional personnel, report, 10584
- District of Columbia—
 - canine corps, expand, report, 9127
 - examination announcements, 4407, 13440
- Police Department Band, include members of Fire Department, etc., report, 7687
- Police Department reorganization, Congress to review report of D.C. Crime Comm., final report, 6011

Police—Continued

District of Columbia—Continued

- recruitment, retention, etc.—
 - hearings, 9152
 - report, 6011
- report motor vehicle collisions to, report, 7689
- retirement benefits, equalize for totally disabled, report, 9129
- salaries, increase, law, 514
- survivor benefits for widows of retired members, report, 10558
- local agency employment data, hearings, 16325
- officers, State or local, disabled or killed apprehending violators of Federal law, compensation—
 - hearings, 15166
- reports, 14976, 15110
- patterns of behavior and citizen transaction, career orientations, etc., 13060
- police and community, dynamics of their relationship in changing society, President's Commission on Law Enforcement and Administration of Justice, 13061
- task force report, President's Commission on Law Enforcement and Administration of Justice, 10034

Policemen, see Police.

Policy equation, see Equations.

Poliomyelitis, prophylaxis, USSR study, 1266

Polish American Congress, Inc., medals commemorating 1,000th anniversary of founding of Poland, law, 361

Polish Society of Amateur Astronomers, statute, 17863

Political Activity of Government Personnel Commission:

- extend—
 - law, 13535
 - report, 9275, 12269

Political campaigns, see Elections.

Political corruption, prevention, Federal elections act of 1966, hearings, 739

Political prisoners and their relatives in Cuba, hearings, 957

Political rights of women, see Women.

Political science, publications, list, 2802

Politics:

- American parade of politics, 10078
- Communist China, translations, 3951
- Eastern Europe, translations, 3691
- food and fiber in Nation's politics, 17123
- philosophical development of theories, USSR study, 5024
- political organization of socialist society, USSR studies, 14269
- riffs within Turkish left, 14243
- South Viet-Nam, political development, 11823

Polk, Kenneth, nonmetropolitan delinquency, action program, 11906

Pollack, Gerald A., remarks, Feb. 16, 1967, 5964, 7585

Pollack, Herman, address, May 17, 1967, 14671

Pollack, Morris, labor law and practice in Israel, 16812

Pollen, mixed-pollen crosses for blister rust resistance, economical and reliable estimates, 9536

Pollen trap, 8-day volumetric sampler, description, etc., 2322

Pollution of air, see Air pollution.

Pollution of streams, see Water pollution.

Pollution of water, see Water pollution.

Polone, Dock J., soil survey of Rogers County, Okla., 1609

Polychaeta:

- Morro Bay, Calif., benthic survey, 6956
- type-specimens described by Edith and Cyril Berkeley, 5310

Polyesters, see Esters.

INDEX 1967

Polymers and polymerization:

- ablation polymers, determination of kinetic parameters, by thermogravimetric analysis, 9896
- aceta polymer differing from F-form, USSR discovery, 12713
- arylenesiloxane copolymers, 9843
- char-forming phenolic polymer used for ablative composites, decomposition characteristics, 6862
- diluted polymer solutions, reduces drag in turbulent flow, 14592
- ferrocene polymers, annotated bibliography, 2156
- fibrous reinforcements for space application, 11418
- highly halogenated polymers, anythesis, 9855
- Japanese Association for Radiation Research on Polymers, annual report, 5758
- new heterochain polymers, USSR study, 12741
- new polymer systems for reverse osmosis membranes, research and development, 8213
- photodegradation of—
 - high polymers in solution, 5358, 10015
 - polymer films, surface effects, 18113
- polyaromatics converted into structural material by isostatic compression process, 12898
- polymeric structures, colloidal asbestos fibrils as reinforcements, 16914
- polypeptides and polymers related to collagen, USSR studies, 14270
- static electricity of polymers reduced by treatment with iodine, 14411
- structure and ionic transport of polystyrenesulfonate model membranes, 9592
- wear and friction of laminates in liquid nitrogen, etc., 2693
- see also* Polymethyl methacrylate.
- Polymethyl methacrylate, photolysis, effect of additives, 10015
- Polymorphism, distribution, taxonomy in Labidocera jollae group, etc., 8544
- Polynoidae, bathyal polynoids from central and northeastern Pacific, 6960
- Polynomials:
 - first-order, predictor for data compression, 8491
 - manipulator AP-168 program, 9858
- Polyoma virus, interaction between virus and cells of various animal tissues in culture, USSR study, 6543
- Polypeptides, *see* Peptides.
- Polyps, colon and rectum, 14772
- Polysiloxanes, *see* Siloxanes.
- Polystyrene, monodisperse latexes, method measures mean particle diameter, 8394
- Polytetrafluoroethylene:
 - teflon insulated wire, technique for strip-plag, 8471
 - teflon sheet permits valve and valve actuator to move as single unit in cryogenic pipe line, 6698
- TFE-fluorocarbon (polytetrafluoroethylene), resin skived tape, standard of trade, 5286
- Polynurethanes, *see* Urethanes.
- Polyzon, *see* Vletorella.
- Pomegranates, production, use, value, 1965-66, by States, 14695
- Ponderosa pine, *see* Pine.
- Ponds, freshwater, distribution of cobalt 60, zinc-65, strontium-85, and cesium-137, 15681
- see also* Fish ponds.
- Pontius, Paul E., realistic uncertainties and mass measurement process, illustrated review, 15592
- Pontoons, Federal Item Identification guides for supply cataloging, supplements, 3293
- Pontryagin principle, *see* Principle of the maximum.
- Pony Creek, archeology, 15734

Pooling, *see* Production.

Poor:

- assets of poor and near poor, 7130
- estimates in 1965 and trends, 1959-65, 7131
- legal services in action, the poor seek justice, 12449
- Legal Services Program, advocates for the poor, 6161
- prices in poor neighborhoods, 14305
- rural, aspirations and expectations, guide, to research, 17710
- women's earnings in poor families, fact sheet, 7238
- Pope, Robert E., compensation expenditures and payroll hours, motor passenger transportation industries, 17893
- Popenoe, Peter, aeroradioactivity survey and areal geology, New York and New England, 1778
- Poppet valves, *see* Valves.
- Population:
 - aged, social security survey, 13120
 - census, 1790-1890, price list of microfilm copies of schedules, 1518
 - census, 1960—
 - final reports, 13402-403, 14835
 - migration between State economic areas, 13402
 - quality control of field enumeration, 17443
 - socioeconomic status, 14835
 - supplementary reports, 4301
 - census, 1970, plans, hearings, 13711
 - census publications, price list, 7056
 - characteristics of Los Angeles, south and east areas, errata, 1875
 - characteristics of selected neighborhoods in Cleveland, Ohio, 4351
 - county veteran population, Dec. 1966, estimates by States, 17283
 - crisis, hearings, 956, 2121, 4642, 6112
 - index, 16416
 - current population reports, 3171
 - consumer buying indicators, 1878, 5884, 14832, 16027
 - consumer income, series, 4355, 16026
 - population characteristics, series, 176, 1874, 4348-50, 5877-78, 7483-85, 10360, 16008-9
 - population estimates, series, 177-179, 1876-77, 4352-53, 5879-83, 7486-87, 10361-365, 12086, 14831, 16010-15
 - special censuses series, 4354, 7488-89, 8949-54, 10366-379, 13398, 16016-25
 - technical studies, 1875, 4351, 12085, 17438
- current population survey, manpower statistics, concepts and methods used, 12768
- current survey of United States, origin, methods, and evolution (paper), 5885
- data controls, Atlantida, case study in household sample surveys, Spanish edition, 5899
- dynamics, Health, Education, and Welfare Department, activities, report on family planning, 1136
- education of American population, 14833
- farm, 1966, United States, 12084
- farm, series Census ERS, 12084
- field experiences in estimating growth (paper), 1880
- food and people, what we can do (remarks), 1694
- growth and earth resources, 14238
- international reports, 12090
- large metropolitan areas, provisional estimates, 177, 16013
- measures to improve medical service, USSR studies, 6538
- metropolitan areas, marital and family characteristics, 10360
- mid-decade census, take in 1975, etc.—
 - hearings, 10666
 - reports, 13663, 13686

- Population—Continued
mobility, 1874
- Negro—
characteristics, 4348
current population reports, 176
estimates by age and sex, 10365
projections of number of households and families, 1967-85, estimates, 5882
prospects in United States (lecture), 4357
Puerto Rico and outlying areas, 1960-66, estimates, 5880
special censuses conducted by Census Bureau, summaries, 7458-89, 10379, 16018, 16023
standard metropolitan statistical areas, 17438
- States—
estimates, 178, 4352
households, estimates, 7486
1970-85, illustrative projections, 5883
1970-85, revised projections, 16014
tomorrow's population as seen today (paper), 1889
- United States—
by metropolitan and nonmetropolitan residence, 7484
estimates, 179, 1876-77, 4353, 5879, 7487, 10361-362, 10364, 16010-12, 16015
estimates and components of change, 12086
projections by age, sex, and color to 1990, with extensions to 2015, estimates, 5881
projections for OASDHI cost estimates, 8686
recent projections, comparison, 11792
see also Rural population.
- Population Growth, Advisory Council on
Programs Relating to, *see* Advisory Council on Programs Relating to Population Growth.
- Population Problems Office, Health, Education, and Welfare Dept.:
create, hearings, 956, 2121, 4642, 6112
index, 16416
- Population Problems Office, State Dept.:
create, hearings, 956, 2121, 4642, 6112
index, 16416
- Pore, N. A., FORTRAN program for calculation of hourly values of astronomical tide, etc., 9428
- Pork:
fresh, purchase specifications, institutional, approved by USDA, 17680
good choice for thrifty family, food value, selection, recipes, 9344
price spreads, 4126
slaughtering, cutting, and processing on farm, 8829
- Pornography and Obscenity Commission, *see* Obscenity and Pornography Commission.
- Porosity:
core samples from wells in Appalachian oilfields, 11353
formation in aluminum alloy welds, effect of welding position, 12903
sediment meter, feasibility study, 10303
- Porous materials:
mass transfer in porous media, 8211
status of porous ionizers for contact ionization of cesium, 11540
- Port Arthur, Tex., area wage survey, 14294
- Portable cdf pens, 5659
- Portage County, Ohio, geology and groundwater resources, 11172
- Porter, Bernard, reaction rate of solid yttrium metal with molten lithium fluoride, 15474
- Porter, Horace G., cotton in Australia, 2286
- Portfolio of photographs, science teaching aid, 17158
- Portieria dispar, *see* Gypsy moths.
- Portland, Maine, area wage survey, 5070
- Portland, Oreg., area wage survey, 15442
- Portraits, *see* names, etc., of subjects sitting for portraits.
- Portraits in community health (series), 5456, 13089
- Ports:
code classification used in compiling U.S. foreign trade statistics, schedule D, 4359, 8936
distances between U.S. ports, 17465
export corn meal port bulletin, 3248
export wheat flour port bulletin, 3253
port series, 4736, 9421, 16325
situation in Vietnam, followup investigation, report, 14998
see also names of ports, or places where located.
- Portsmouth, Va., area wage survey, 16816
- Portugal:
cotton textiles, trade, agreement, 1639
economy, basic data, 4443
mineral industry, minerals yearbook chapter, 11365
trade in cotton textiles, agreements, 8739, 15766
west coast, sailing directions, change, 7001, 37071
- Portuguese East Africa:
labor conditions, 1384
- Mozambique—
background notes, 18223
foreign trade regulations, 4437
mineral industry, minerals yearbook chapter, 9758
- Portuguese Guinea, *see* Portuguese West Africa.
- Portuguese language, spoken Brazilian, basic course, 2884
- Portuguese West Africa:
Angola—
background notes, 17212
foreign trade regulations, 7574
labor conditions, 1365
mineral industry, minerals yearbook chapter, 9758
- Guinea—
labor conditions, 5076
mineral industry, minerals yearbook chapter, 9758
- Portunids:
portunid crabs from—
international Indian Ocean expedition in Smithsonian collections, 12998
Pacific and Indian Oceans in collections of Smithsonian Institution, 8540
- Posen, Annette, meteoric trajectories and processes, including examination of incidence by reduction of data points, etc., 15510
- Poslay, Virgile, relief, 16170
- Position classification, *see* Job analysis.
- Position-classification standards, 3692
- Positive displacement cylinder measures corrosive liquid volume, 6756
- Possessions of United States, *see* Outlying possessions.
- Post, Austin, effects of Mar. 1964 Alaska earthquake on glaciers, 11178
- Post, Edwin V., geology of Cascade Springs quadrangle, Fall River County, S. Dak., 14168
- Post Office and Civil Service Committee, House:
activities, summary, 4557
calendar, 3482
committee prints, 4554, 4556-57, 10675, 15046-47, 16338, 17610
hearings, 747-749, 4553, 9165-67, 10666-674, 12308-310, 13711-712, 16339, 17607-609
investigations and studies—
authorization, report, 6016
expenses, report, 7722
reports, 4505, 6232, 9123, 10562, 10580-581, 10613, 10619, 13662-663, 13637, 16232
rules, 89th Congress, 4555

INDEX 1967

Post Office and Civil Service Committee,
Senate:
calendar, 3500
committee prints, 4654-55, 13880
hearings, 6124, 7824, 9329, 10870, 12424-
425, 13881, 16429-432, 17671-672
investigations and studies:
authorization and continuation, report,
4592
postal service and civil service, author-
ization, report 6072
legislative history and report of activities,
89th Congress, 4655
reports, 915, 4592, 10745-746, 13727,
13806 807, 16376
Post Office Department:
annual report—
departmental edition, 18136
document edition, 17567
appropriations, 1968—
hearing, 6026, 10806
law, 15529
reports, 9097, 10791, 13658
Assistant Postmaster General for Bureau
of Facilities, nomination of John L.
O'Marra, hearing, 13881
challenge to industry, 10028
cost ascertainment report, 8613
facilities handbook series, 13053
gasoline outlets at postal installations,
potential savings through establishment,
GAO report, 6378
is looking for advice, advisory boards, etc.,
rosters, 17117
leasing property by Postmaster General,
extend authority—
hearings, 7827, 9165
law, 10484
reports, 10562, 10726
mailing list brokers, require registration,
hearing, 10667
manpower costs of railway post offices,
potential savings available, GAO report,
6377
methods handbook M series, 17116
office space, administrative, provided in
major postal facilities, policies and pro-
cedures, GAO review, 4880
personnel promotion system, hearing,
10669
planning for tomorrow's postal service re-
quirements, etc., 8614
planning, programming, and budgeting
system, description, 5389
policies and practices for rebuilding used
motor vehicle tires, GAO review, 14162
postal manual, 3694
posters, commemorative stamp, 1556, 1558,
3106, 5386-87, 7039-41, 8611-12,
10024-26, 11692-694, 13050-52, 14606-
607, 15644-648, 17112-114, 18137-139
potential savings through changes in leg-
islation affecting compensation of rural
carriers and consolidation of rural
routes, GAO report, 4874
press releases—
general, 3753
philatelic, 3753
public information service PI series, 1559,
2791, 13056, 17119
publications, list, 1563
report, 1966—
departmental edition, 1557
document edition, 528
financial supplement—
departmental edition, 11695
document edition, 10499
report on postal rates, 9076
research & engineering, rewarding career,
7042
suppliers and buyers of mailing lists, to
furnish information with respect to their
identity and transactions involving sale
or exchange, hearing, 10667

Post offices:
acquiring postal quarters, facilities hand-
book, 13053
civil, at military installations, adequacy,
16338
dedicating your new facility, guideline,
13056
directory, 17115
with ZIP code numbers, 14609
1st, 2d, and 3d class, postmaster positions,
information, 10425
long-term leases, extend authority—
hearings, 7827, 9165
report, 10726
manual, 3694
names, abbreviations for use with ZIP
code, 7043
railway, potential savings available in
manpower costs, GAO report, 6377
revenues and classes, 5390
see also Zip code.
Postage:
2d and 3d class postal rates for volunteer
fire, ambulance, and rescue companies,
extend, report, 694
Post Office Dept., report on postal rates,
9076
postal rates, investigation, authorization
and continuation, report, 4592
postal revenue act of 1967, rate in-
creases—
hearings, 12309, 17672
hearings, summary, 15047
recommendations of Postmaster General,
10675
rate increases, message from the Presi-
dent, 9069
3d-class rates, bills and statements of
account prepared by electronic data
processing equipment, classify as 1st-
class mail, amend U.S. Code, hearings,
12424
Postage stamps:
commemorative—
1½-cent Albert Gallatin regular (post-
er), 5386
3-cent Francis Parkman regular (post-
er), 15644
5-cent—
Canada centennial (poster), 10024
Canada centennial address at issu-
ance, 11697
Christmas (poster), 17112
Davy Crockett (poster), 14606
Erie Canal (poster), 11692
Finland independence (poster), 15645
Henry David Thoreau (poster), 11693
Henry David Thoreau stamp cere-
mony (remarks), 14611
Mississippi statehood (poster), 18137
National Grange (poster), 8611
Nebraska statehood (poster), 13050
search for peace (poster), 11694
servicemen-savings bonds, 1st day
ceremony (address), 1556
Thomas Eakins American painting
(poster), 17113
twin space (poster), 17114
urban planning (poster), 15646
urban planning, ceremony (address),
17110
Voice of America (poster), 13051
Washington (poster), 18138
8-cent Alaska purchase air mail
(poster), 7040
8-cent international postal card
(poster), 18139
10-cent Andrew Jackson regular
(poster), 7041
13-cent John F. Kennedy—
aerogramme (poster), 10025
prominent American stamp, dedica-
tion (address), 11690
regular (poster), 10026
20-cent Audubon air mail (poster), 8612

Postage stamps—Continued
commemorative—continued
20-cent George C. Marshall (poster), 15647
20-cent George C. Marshall ceremony (address), 18133
25-cent Frederick Douglass regular (poster), 5387
\$1 Eugene O'Neill (poster), 15648
\$5.00 John Bassett Moore regular (poster), 1558
poster, 3106
standards, 2792
philatelic releases, 3753
Postal bulletin, *see* Postal service.
Postal cards:
commemorative—
6-cent Boy Scout world jamboree (poster), 13052
6-cent Virgin Islands air mail (poster), 7039
8-cent international postal card (poster), 18139
13-cent international air mail (poster), 14607
Postal employees, *see* Postal service.
Postal inspectors, general information, 2791
Postal life, magazine for postal employees, 13055
Postal rates, *see* Postage.
Postal Savings System, report on operations, 4490
Postal service:
Armed Forces, mailing privileges provide better overseas service—
hearings, 10670
law, 438
report, 10613
Armed Forces, Vietnam and Thailand, on-site inspection, report 4505
better service with better tools, facilities, etc. (address), 13049
challenge to industry, 10028
code of Federal regulations, 11044
contract mail haulers—
fair labor standards act and service tract act, application, 7227
Federal wage-hour law application, 7226
efficient management (address), 1555
employee benefits and postal services are greatly improved (address), 15643
employees—
field service, ratio of career substitutes, reduce, hearings, 17607
salaries, adjust, hearings, 12310, 17671
salary and retirement annuity increases, p. 266, 1945-66, 4536
field service, reclassify certain positions, hearings, 12308
investigations—
authorization and continuation, report, 4592
authorization, report, 6072
laws, 11696
laws, changes, 17118
objectives (address), 7038
postal bulletin, 3693
postal inspection service protects against mail fraud, 17119
postal inspector, general information, 2791
postal life, magazine for postal employees, 13055
postal zone charts, 2790
promotion system of Post Office Department, hearing, 10669
publications, price list, 16038
qualification standards for field service, 3791
registered mail, indemnity for delayed delivery, hearing, 9166
revolvers, use and care, methods handbook, 17116
rural routes, consolidation, potential savings, GAO report, 4874

Postal service—Continued
special services performances, cost ascertainment report, 8613
State postal maps, 5391-5402, 11698, 15649-662
structure of postal system needs revising (address), 11691
technology of modernization, hearings, 13712
transportation of mail by vessels, rates of compensation—
law, 17554
reports, 10581, 16376
uniform or badge of letter-carrier service, permit use in theatrical, television or motion picture production, report, 14975
use of mails to incite riots, penalties, amend U.S. code—
hearings, 15165, 16419
reports, 12282, 13664
ZIP code, last word in mail addressing, 1559
see also Air mail—Franking privilege—
International postal service—Mail matter.
Postal zone charts, 2790
Postdoctoral fellowships in education research, 1012
Posters:
Defense Supply Agency, let's face it, security is up to you, 10901
DSA poster series, 4681, 7865, 10901, 13927, 15200
Food and Drug Administration, 16639
Forest Service, 16648
Post Office Department, commemorative stamps, 1558, 3106, 5386-87, 7039-41, 8611-12, 10024-26, 11692-694, 13050-52, 14606-607, 15644-648, 17112-114, 18137-139
sold by Superintendent of Documents, price list, 7058
uniforms of United States Navy, 1776-1898, 7008
use medicated feeds carefully and wisely, FDA poster, 16639
Postmaster General, *see* Post Office Department.
Postmasters, positions, 1st, 2d, and 3d class post offices, information, 10425
Posts, wooden, machine-driving, way to reduce highway guardrail costs, 11138
Potash, fertilizer supply, 8819
Potassium:
biaxially stressed D-43 alloy with refluxing potassium, compatibility, 11422
condensing radiator, multitude, centrally finned, experimental steady-state performance, 18052
high-performance once-through boiling in single tubes at saturation temperatures of 1500° to 1750° F, 15504
high temperature, vaporization in forced convection at saturation temperatures of 1800° to 2100° F, 14391
human serum, estimation of change during simulated altitude and aerospace flights, 7341
mass transfer in stainless steel-Cb-1Zr-postassium system, and effect of stabilization of carbon and nitrogen in stainless steel, 12864
microlocalization in myofibrils, USSR studies with sodium tetraphenylborate and interference microscope, 14217
nonwetting, condensing mercury flow in horizontal cooled tubes, heat-transfer, experimental investigation, 11541
steady-state performance of NaK-cooled potassium condenser, 12937
thermal and hydraulic performance during condensation inside slug tubes, 15506
thermodynamic properties to 2100° K., 16999

- Potassium**—Continued
thermophysical properties, summary, errata, 12920
transport mutant of *Escherichia coli* phosphorus metabolism abnormalities, 10235
vapors, expansion and flow characteristics, 2717
- Potassium-aluminum silicates**, *see* Silicates.
- Potassium isotopes**, potassium-40, body composition of military population, Ft. Carson, 1963, report, 120
- Potassium permanganate**, thermal decomposition, changes in kinetic properties as result of irradiation, 11570
- Potatoes**:
acreage, yield, etc., by States and seasonal groups, 13251, 14698
demand and price analysis, 13252
explosion puffed dehydrated, estimated cost of commercial production using shortened cycle, 8808
frozen french fried, U.S. standards for grades, 6134
- futures**—
commitments of traders, 3111
trading and open contracts, 3367
in popular ways (recipes), 15851
- Irish**, utilization of 1966 crop with comparisons, 17250
- machine** for application of dust to cut seed potatoes, 7241
- national potato labeling act**, hearing, 17649
- National Potato Utilization Conference**, report, 1919
- planting**, harvesting, marketing dates, by seasons, in principal areas, 13211
- production and harvesting**, evaluation of cost factors, 15873
- special Idaho potato survey**, 5558
- spring crop**, bulk handling from harvester to packing line, methods and costs, 35
- spring**, 1967 acreage-marketing guides, 2134
- sprout prevention**, 17301
- storage**, 20,000 cwt. arched roof, 13230
- summer and fall**, acreage marketing guides, 10872
- total stocks**, monthly report, 3942
- winter**, acreage marketing guides, 962, 16441
see also Sweetpotatoes.
- Potential**, generalized, for inelastic scattering, 11543
- Potentiostatic current-potential measurements** on platinum electrode in high-purity closed system, 10011
- Potomac Planning Task Force**, report, 16717
- Potomac River and Valley**:
interceptor sewer, increase Federal contribution to cost—
hearings, 13703, 13858
law, 17538
reports, 14935, 15101
report on its imperiled future and guide for orderly development, 16717
reverse osmosis test, 6441
- Potosi quadrangle**, Wis., and Iowa, geology, 6388
- Potter, Andrew E.**:
electrochemical reduction of chlorine on carbon in molten lithium chloride-potassium chloride, 17003
mechanism of cadmium sulfide film cell, 6889
- Potter, R. C.**, acoustic prediction methods for rocket engines, etc., 1422
- Pottery, workers**, displaced, case study of adjustment to layoff, 1360
- Potting compounds**, *see* Sealing compounds.
- Poultry**:
automatic feeding equipment, 8830
broiler house pole construction, building plan, 40
byproducts, salmonella control, sanitation guidelines for processors, 11922
commercial broiler production, 5623
- Poultry**—Continued
estimates, background on revisions, 8752
foreign agriculture circulars, 3345
good choice for thrifty family, recipes, 9349
hatchery production, 3390
home freezing, 4107
houses and equipment for laying hens, for loose housing, 10183
inspection regulations, hearing, 710
inspectors' handbook, 13889
inventory, 5682, 7198
market statistics, 1966, annual summary, 7299
national improvement plan—
hatcheries and dealers participating, 5615, 10150
provisions, 14752
record of performance test summary, 7243
packaging and price marking in retail food stores, systems and equipment, 7276
plants operating under inspection and grading programs, lists, 2137, 16446
poultry and egg situation (periodical), 3695
processing plants, chemical compounds authorized for use under USDA inspection programs, lists, 10878, 16445
publications, price list, 2800
slaughtered under Federal inspection, monthly report, 3696
USDA grades, how to buy, 5671
used in canning and processed foods, monthly report, 3696
see also Avian Leukosis—Chickens—Food for poultry—Turkeys.
- Poverty**:
American families in poverty, fact sheet, 5600
Communist China, anti-economism campaign idealizes poverty, USSR historian claims, 6582
community development district act of 1966, rural poverty program, reports, 622, 10748
economic opportunity act—
amendments of 1966—
law, 498
narrative summary, 6164, 9382
text as amended, 6124, 7874
from world of poverty to life of hope, year in Neighborhood Youth Corps, 6590
investment in poor people, 5044
Legal Services Program, advocates for the poor, 6161
opportunity loan program, battle to combat rural poverty, 5674
poor in 1965 and trends, 1959-65, 7131
rural—
and economic development (statement), 6158
existence and elimination (statement), 7296
Farmers Home Administration reduces, 5670
hearings before National Advisory Commission on Rural Poverty, 15668, 17126-127
reduction through public and private effort (remarks), 6204
role of education in alleviating, 10917
social security benefits and poverty, status of low-income beneficiaries or aged persons, 7132
study, authorization and expenses, report, 6079
study, expenses, report, 15136
study, hearings, 10860
urban and rural recommendations, message from the President, 7612
war on poverty—
advisory councils, monthly newsletter, 2990
communities in action (periodical), 3124
communities in action, information service, 3125

Poverty—Continued

- war on poverty—continued
- community action program, public affairs handbook, 13940
- conference proceedings, 16481
- examination, hearings, 12420, 13878, 15171, 16427, 17665
- labor's role, seminar, 11299
- legal services program, monthly account, 3466
- news summary, 3632
- project moneywise, role of credit unions, 9451
- rural opportunities (periodical), 3842
- the watershed, a new look at war on poverty, 10915
- voluntary help wanted for projects, 9386
- what VISTA volunteers are doing, 10909
- women in poverty, jobs and need for jobs, 14727
- work experience and training program, 12482
- workers questions and answers on race relations and civil rights, guide, 10913
- Povinelli, Louis A., transverse-mode solid-propellant combustion instability in vortex burner, experimental investigation, 15111

POW, *see* Prisoners of war.

Powder metallurgy, *see* Metallurgy.

Powders:

- dry chemical fire-extinguishing, determining specific surface, permeability and elutriation methods, 11678
- experiments to investigate particulate materials in reduced gravity fields, 18000
- standard X-ray diffraction patterns, 15591
- submicron, blending methods for dispersion alloys, comparison, 6880

Powell, Adam C.:

- right to be sworn in as Representative from New York State in 90th Congress—
- hearings, 6038
- investigation, expenses, report, 6010
- report, 7664

Powell, Howard E., magnetic susceptibility of 19 nickel- and cobalt-bearing minerals, 17911

Powell, Jules V., bibliography on marketing woody plants and related nursery products, 1708

Powell, R. W., thermal conductivity of selected materials, 1523

Powell, Y. Marjorie Flores, *see* Flores, Y. Marjorie.

Power:

- clutches and power-stop control, classification definitions, 18132
- conservation, code of Federal regulations, 11035
- Federal power act—
- amend, hearings, 16401
- text, 17759
- fluid, Navy training course, 5338
- harmonic generation, use of millimeter wave diode, 11483
- machinery, USSR industrial development, translations, 4018
- motive, for class 1 railroads, 3587
- Northeast power failure, Nov. 9-10, 1965, hearings, addendum, 2053
- power engineering trends in Latvian SSR, 1235
- power-spectral-density computer program, 11481
- radioisotopes as power sources in Western Europe, 15416
- required to circulate gas-solids suspensions, 15483
- satellite systems configurations for maximum utilization, study and analysis, 16918

Power—Continued

- sources and structures, surface-to-air missile series, engineering design handbook, 15928
- space systems—
- electrical component technology, design studies, 15964-965, 17399
- solar-cell performance using spectral dispersion, 15579, 16992
- spectral shapes, fatigue life under random loading, 17013
- see also* Atomic energy—Electricity.
- Power and responsibility, 5530
- Power boilers, *see* Boilers.
- Power equipment in mineral industries, 7471
- Power plants:
- classification definitions, 18121
- India, Soviet studies, 6525
- space power systems advanced technology conference, 1440
- space, Rankine-cycle 3-loop steady-state and dynamic operating characteristics, 2603
- see also* Electric power plants.
- Power reactors, *see* Reactors (atomic).
- Power resources:
- energy R & D and national progress, 2851
- findings and conclusions, 10075
- Power sprayers, *see* Sprayers.
- Power tools, power arc welder touch-started with consumable electrode, 6803
- Power transmission:
- eccentric drive mechanism is adjustable during operation, 17984
- equipment, mechanical, Federal item identification guides for supply cataloging, supplements, 3285
- underground, report, 12513
- Power trucks, safe practices, 9722
- Power Use Conference, Portland, Oreg., proceedings, 10323
- Powers, R. W., geology of Arabian peninsula, sedimentary geology of Saudi Arabia, 1124
- PPBS (Planning, Programming, and Budgeting Systems) Training Center, *see* Financial Management and PPBS Training Center, CSC.
- Prabhu, Albert V. M. Ferris-, *see* Ferris-Prabhu, Albert V. M.
- Practical nurses, *see* Nurses and nursing.
- Practical nursing, *see* Nurses and nursing.
- Prague, Czechoslovakia, East of the Elbe, study mission report, 6104
- Pranatis, A. L., bonding of oxides of high temperature alloys, 10016
- Praseodymium, metals, electrowinning from their oxides, 11384
- Pratt, Walden P., geology of Hurley West quadrangle, Grant County, N. Mex., 12601
- Pravda (periodical):
- editorials, translations, 3948
- political reviewer's comments on 1966, USSR study, 5006
- Preamplifiers, *see* Amplifiers.
- Pre-Cambrian period:
- petrology and structure of Precambrian rocks, Central City quadrangle, Colo., 12611
- rocks of Groom district, Nev., 14169
- younger Pre-Cambrian geology in southern Arizona, 16696
- Precipitation:
- calcium sulfate investigation, final report, 14198
- five continents, forecasts, comparisons, etc., 11790
- hourly data, by States, etc., 3401
- Northwest States, probable maximum, 5594
- Pacific Northwest, monthly, 3669
- Tennessee River basin, monthly, 3698
- United States, long-range forecast, supplement, 11791
- see also* Rain.

- Precipitation (chemistry):
kinetics of excess solute precipitation in liquid sodium solutions, 5259
- Precision CW laser automatic tracking system investigated, 6791
- Precision instruments:
East European industries, translations, 3955
USSR industrial development, translations, 4019, 4022
- Prediction (psychology):
Air Force Academy cadets, class of 1967, 1st year achievement, 17343
Air Force weather forecaster proficiency, test correlates, 8863
airman performance prediction from trait ratings, 11952
automobile accidents among Air Force personnel, 17344
reenlistment at end of 1st term of Army service, 118
success in instructional programmer school, 17345
- Prediction of absolute entropies from gas chromatographic retention data, 18111
- Predmore, R. E., damping behavior of DeHavilland stem booms, 11539
- Prefabricated buildings, *see* Buildings.
- Pregnancy, childbearing and diabetes mellitus, 1960-62, United States, 5469
- Pre-Gondola Project, *see* Project Pre-Gondola (field cratering experiment).
- Premium pay, *see* Hours of labor.
- Prepackaging, *see* Packaging.
- Preparedness, *see* National defense.
- Preregulator feedback circuit utilizes light actuated switch, 2663
- Preschool children, *see* Children.
- Pre-Schooner Project, *see* Project Pre-Schooner (field cratering experiment).
- Prescriptions:
drug prescription programs, digest, 8628
medicines and other pharmaceutical preparations which may be dispensed by pharmacies without physician's prescription, Czechoslovakian list, 12673
- Present value of estimated lifetime earnings, 13401
- Preservation of biological specimens, *see* Biology.
- Preservation of food, *see* Food.
- Preservation of materials, classification definitions, 18119
- Preservatives, *see* Wood preservatives.
- Preserves, how to make at home, 5629
- President of United States:
code of Federal regulations, 9459, 14033, 16586
economic report—
departmental edition, 5406
document edition, 4486
extending date for transmission, law, 9031
hearings, 9046
report, 7785
election campaign fund act—
guidelines—
law, 12168
legislative history, 13719
report, 10614
law, 513
law, summary, 9177
legislative history, 7762
report, 702
Senate amendments, summary, 4567
elections, amend equal time provisions of communications act, hearings, 16400
funds appropriated to the President, 1968, budget amendment, 10519
inaugural ceremonies act, amend, report, 7686
messages, *see*, in main alphabet, subject of message.
papers—
announcement and order form, 8622
index series, 6623
- President of United States—Continued
papers—continued
Jackson, Andrew, 6623
Johnson, Lyndon B., 2256, 4780
Truman, Harry S., 1059
Presidential documents, weekly compilation, 4054
press releases, 3754
remarks, etc.—
Sept. 27, 1966, 2734
Oct. 7, 1966, 1626
Oct. 17-Nov. 2, 1966, 2880
Sept. 29, 1967, 18228
state of the Union message, 12195
veto messages, employees' life insurance coverage, 4467, 16155
Presidential Election Campaign Fund Advisory Board:
establish—
law, 513
law, summary, 9177
legislative history, 7762
report, 702
Senate amendments, summary, 4567
Presidential scholars, *see* Scholars.
- Presidential Task Force on Career Advancement:
report, 7046
annex, 10030
- President's Commission on Budget Concepts, report, 18146
- President's Commission on Crime in District of Columbia:
appropriations, 1967, law, 501
report, 2794
appendix, 2795
- President's Commission on Law Enforcement and Administration of Justice:
appropriations, 1967, law, 501
challenge of crime in free society, report, 7044
field surveys, 13058-62
recommendations in report, message from the President, 5998
symposium on science & criminal justice, 11699
task force reports—
corrections, 10031
courts, 10032
crime and its impact, assessment, 13065
drunkenness, 13066
juvenile delinquency and youth crime, 11703
narcotics and drug abuse, 13067
organized crimes, 10033
police, 10034
science and technology, 11704
- President's Commission on Patent System:
reports, 2796, 6053
appraisal (address), 7031
print as Senate document, report, 4598
- President's Commission on Postal Organization:
appropriations, 1968—
amendments, 13723
hearings, 15147
report, 15131
- President's Commission on Status of Women, report, excerpts on counseling and guidance, 7236
- President's Committee on Consumer Interests, activities 1964-68, summary, 10029
- President's Committee on Employment of the Handicapped:
action, 1967-68 program guide, 17121
awards and recognition program, 1355
awards program at a glance, 1356
membership directory, 2491
national ability counts contest for 11th and 12th grade students, announcement, 15667
performance, story of the handicapped, 3680
press releases, 3753
this is President's Committee on Employment of the Handicapped, 18147

President's Committee on Mental Retardation:
 1st meeting, sets goals for future, 7047
 Members, biographies, 5407
 messages from, 1560, 5407, 7047-48
 PCMR progress, 2793
 report on Nation's progress and great needs in campaign to combat mental retardation, 15665
 President's Council on Physical Fitness:
 demonstration center schools, projects, 18145
 new youth fitness test norms and presidential award, 5408
 newsletter, 3634
 youth physical fitness, suggested elements of school-centered program, 8617
 President's Council on Recreation and Natural Beauty:
 general information, 8616
 purposes and missions (remarks), 4914
 President's reorganization plans, see Government reorganization plans.
 President's Science Advisory Committee:
 computers in higher education, report, 8615
 Panel on Educational Innovation, report, 15663
 space program to post-Apollo period, 7050
 world food problem, reports, 11708-707
 President's Youth Opportunity Campaign, 1966, HOPE, highlights of personal experiences in Department of Agriculture, 8833
 Presman, Mario, relief, 550
 Presplitting, controlled blasting technique for rock cuts, 5476
 Press:
 Albania, information report, 3701
 censorship, field manual, 13293
 Communist China, Red Guard press information, 14249
 Iran, information report, 3702
 Latin American, abbreviations used, glossary, 12721
 Soviet materials on arms control and disarmament (periodical), 3888
 Press releases, see names of offices issuing releases.
 Pressmen, cylinder pressman, examination announcement, 5926
 Pressoreceptors, aortic baroreceptors, 11278
 Pressure:
 behavioral changes in rats at ground level following gestation and growth in 100 percent oxygen at reduced pressures, 15899
 characteristics, nonwetting - condensing flow of mercury in sodium-potassium cooled, tapered tube, 1498
 conical probe, performance at Mach numbers of 3.0, 4.5, and 6.0, 5230
 distribution curves applicable to pneumatic tires, experimental study, 11401
 distributions—
 effect of roughness on heat transfer to hemisphere cylinders, 8492
 for freon-113 condensing in downward flow in vertical tube, 11510
 oscillating panels in low supersonic flow turbulent boundary layer, 6718
 drop—
 and heat transfer for water boiling in single-tube heat exchanger, 14463
 two-phase flow through abrupt expansions and contractions, 7431
 effect of sound wave on cryogenic fluid, 12940
 engine cylinder, variation, indicator system provides complete data, 5200
 external, sandwich and ring-stiffened 120° conical shells, buckling, effect of edge constraint, 11417
 fixture tests bellows reliability through repetitive pressure/temperature cycling, 11448

Pressure—Continued
 flight-measured chordwise distributions of helicopter rotor blade as compared with 2-dimensional airfoil characteristics, 11502
 fluctuations on flat plate with oblique jet impingement, 14388
 gas-reservoir properties determined from pressure buildup data, 15479
 hydrostatic, large-diameter ring-stiffened cylinder subjected to, test, 1479
 long-term lower body negative pressure, influence on circulatory function of man during prolonged bed rest, 1734
 low—
 application of orbitron ionization gage, study, 16909
 environments, indirect calorimetry, 11957
 measurement, bibliography and index, supplement, 12984
 steam-water flow in heated vertical channel, 7430
 lower body negative pressure—
 and orthostasis, forearm vascular responses, 4175
 effects on physiologic changes due to bed rest, 7346
 measured static pressures in low-density arc-heated wind tunnel, effect of orifice size and heat-transfer rate, 6876
 measurements on board entry vehicle, use in determining structure of atmosphere, 9904
 miniature telemetry system accurately measures, 6786
 oxygen environment at 210 mm Hg. absolute, effects on rats, 1740
 pressure levels and pulsation frequencies can be varied on high pressure/frequency testing device, 17971
 pressures and forces on flare-stabilized bodies in air and in mixture of 85-percent CO₂ and 15-percent air, 17011
 quick-response servo amplifies small hydraulic pressure differences, 6696
 rapid loss, provided by high speed blowdown system, 8468
 rugged switch responds to minute pressure differentials, 17996
 sensor, miniature capacitor devised, 6747
 temperature diagrams construction for multicomponent systems after method of Schreinmakers, geometric approach, 2359
 testing of instrumentation fittings, portable fixture facilitates, 11458
 water, encountered during landing of Apollo spacecraft, dynamic model investigation, 16970
 see also Atmospheric pressure.
 Pressure gages:
 modified McLeod, eliminates, measurement errors, 1465
 piezo-bar pressure probe, 14446
 Pressure probe compensates for dimensional tolerance variations, 6764
 Pressure regulators, high impact, withstands impacts of over 15,000 g., 16937
 Pressure suits:
 integrated restraint-pressure suit system, development of internal restraint system, 6727
 partial, new concept, 10237
 physiological, psychological, and bacteriological aspects of 20 days in full pressure suits, etc., 6723
 Pressure switches, design concept for callibrator, 6763
 Pressure transducers, see Transducers.
 Pressure vessels:
 Army SM-1A reactor, radiation embrittlement, projected estimates, neutron spectral effects, 1554
 high speed blowdown system provides rapid pressure loss, 8468

INDEX 1967

Pressure vessels—Continued

- ships of Navy, military standard, 2154
- steels, reactor, neutron embrittlement, 5355-56
- wall of A 302-B steel, neutron exposure, through-thickness notch ductility and tensile properties, 17093
- Pressure waves, finite amplitude acoustic, define propagation characteristics, 8421
- Pressurization, reverse, prevented by check valve installation in pilot operated relief valve, 6815
- see also* Tanks.
- PRESTO, program for rapid earth-to-space trajectory optimization, errata, 5157
- PRESTO II, digital computer program for trajectory optimization, 6717
- PRESTO version delta, program for rapid earth-to-space trajectory optimization, 5178A
- Prestraining:
 - prestressed concrete reactor vessel—
 - for boiling-water reactor, 13319
 - model 1, 13320
 - model 2, 13321
- Presurfacing green oak lumber to reduce surface checking, 2301
- Preuss, Luther E.:
 - absorptiometry with beta excited X-ray sources, interim report, 5770
 - compilation of beta excited X-ray spectra, 5789
- Preventing office accidents, 9713
- Prevention of accidents, *see* Accidents.
- Preventive maintenance, 9720
- Preventive medicine, *see* Medicine.
- Pribilof Islands, fur seals and other wildlife, conserve, law, 416
- Price, Don:
 - geology and water resources in French Prairie area, northern Willamette Valley, Oreg., 14179
 - ground-water reconnaissance in Burnt River Valley area, Oreg., 14182
- Price, Donna, proceedings, 4th symposium (International) on detonation, 13030
- Price, Earl A., Jr., turbulent separated flows investigation in vicinity of fin-type protuberances, 6857
- Price, Thomas R.:
 - photodegradation of high polymers in solution, 10015
 - surface effects in photodegradation of polymer films, 18113
- Price, William G., and Price current meters, description, etc., 9951
- Price lists, *see* Government publications—*also* subjects.
- Price supports, *see* Prices—*also* names of commodities, etc.
- Prices:
 - agricultural prices (periodical), 2999
 - comparison with OASDIH retirement benefits, 1966 experience, 8690
 - consumer price index—
 - city average and selected items, 3143
 - history and techniques, 2500
 - selected items and groups, 3144
 - short description, 15451
 - technical notes, 15449
 - crop values, season average prices, value of production, 8754
 - data requirements in award of contracts and subcontracts, Defense Dept., GAO report, 4867
 - Defense Contract Audit Agency review of contractors' price proposals, GAO report, 6385
 - demand and price situation, 3197
 - farm and food prices, background, 15845
 - farm-retail spreads, dairy products, 10181
 - food costs, farm prices, information relating to agriculture, 13694
 - index numbers, hydraulic turbine industry, 3415

Prices—Continued

- indexes—
 - automobiles, 1967 model, 16832
 - department store inventories, 6614, 16823
- medical care, report to the President, 8194A
- Pacific Northwest forest industries, 3774
- parity returns position of farmers, report, 13724
- print as Senate document, report, 15100
- poor neighborhoods, 14305
- price developments, cause, etc., 14304
- price discrimination legislation, hearings, print additional copies, reports, 916, 2030
- price support loan or resale program for farm products in commercial storage, hearings, 10627
- price supports—
 - active and announced programs, 2984
 - statutes, compilation, 7262
- productivity, prices, and incomes, study, 12190
- prosperity and prices (remarks), 235
- quality and pure price index, 8322
- spot market price index and prices, weekly summary, 3182
- wholesale, index numbers, 3408
- wholesale price index—
 - monthly, 4067
 - monthly, preliminary estimate, 8324
 - prices and price indexes, monthly, 4066
 - weekly, 4065
- see also* names of commodities.
- Pride, a tale of mountain life in the Ukraine, 16781
- Priede, Antra, FORTRAN program for computation of Weber functions, etc., 8484
- Priest, Joseph R.:
 - differential cross section for (d, α) reaction on scandium 45, 16989
 - interpretation of (d, α) reactions on fluorine 19 and nitrogen 15, 9873
 - investigation of (d, α) reaction on aluminum 27, 6852
- Prieto, Ernesto N., relief, 13748, 16219, 17520
- Prieto, Marcial A. Marti, *see* Marti Prieto, Marcial A. (Alfredo).
- Primary batteries, *see* Electric batteries.
- Primus, James E.:
 - records of Dept. of State relating to internal affairs of—
 - Rolivia, pamphlet, 18063
 - Central America, pamphlet, 18067
 - Nicaragua, pamphlet, 18062
 - records of Dept. of State relating to political relations between U.S. and Costa Rica, pamphlet, 18066
- Primates:
 - equilibrium function, effects of pulsed ionizing radiation, 7354
 - protons effects, 4179
- Primers (paint):
 - synthetic resin, for coal-tar enamel, 10073
- Primitive areas, *see* Wilderness areas.
- Prince Georges County, Md., soil survey report, 11808
- Prince William Forest Park, general information, 14553
- Prince William Sound:
 - earthquake of 1964—
 - and aftershocks, research studies, seismology and marine geology, 12117
 - horizontal and vertical crustal movement, 5940
- Princess Coal Reserve District, land disturbances from strip-mining, 17801
- Princeton University, mass spectrometer and rheogoniometer, duty-free entry, 618, 7651, 14885, 16354
- Principle of the maximum, dynamic programming and Pontryagin's maximum principle, 14387

- Principles of scientific communism, USSR, 12682
- Printed circuits, *see* Circuits.
- Printer proofreaders, *see* Proofreaders.
- Printers:
- examination announcement, 204
 - hand compositor, examination announcement, 204
 - monotype keyboard operator and slug machine operator, etc., examination announcement, 4410
 - amendment, 13437
 - printing crafts, compositor, bookbinders, pressman, machinist, lithographer, photoengraver, apprentice, 4391
- Printing:
- House of Representatives majority and minority rooms, exempt from D.C. sales and use taxes, report, 9087
 - industry report, 3770
 - industry, union wages and hours, 15445
 - job printing shop, bibliography, 15731
 - printed matter, trade and tariff information, summaries, 8765
- Printing Joint Committee:
- committee print, 7765
 - Federal printing program, report on study, 10688
 - paper specifications standards, 2066
- Prints:
- and pictorial illustrations, catalog of copyright entries, 968, 2141, 6137, 17682
 - commercial, catalog of copyright entries, 12434, 17684
 - National Library of Medicine collection, 14527
 - relating to dentistry, 12995
- Prinz, William C., geology and ore deposits of Phillipsburg district, Granite County, Mont., 15305
- Priroda (periodical):
- reports on medical and biological research, 16778
- Prisk, Charles W., remarks, Dec. 5, 1966, 5475
- Prisms, reflector, spectral dispersion, for solar-cell space power systems, 15579
- Prisoners, *see* Military prisoners—Political prisoners—Prisoners of war—Prisons and prisoners.
- Prisoners of war:
- treatment under Geneva conventions, Army pamphlet, 15939
 - U.S. fighting man's code, 13286
 - Viet-Nam information notes, 17219
- Prisons and prisoners:
- Atlantian (periodical), 3049
 - District of Columbia—
 - jail inmates, authorize transfer to other institutions notwithstanding pendency of petition for writ of habeas corpus, reports, 878, 12393
 - work release program for prisoners, authorize—
 - hearing, 727
 - law, 507
 - eagle (periodical), 3216
 - executions, 17128
 - laws, compilation, 1982
 - national prisoner statistics series 5409, 17128-129
 - new era (periodical), 3620
 - prisoners in State and Federal institutions for adult felons, 5409
 - re-educating confined delinquents, 2798-99
 - State prisoners, 1964, admissions and releases, 17129
 - statistical report, fiscal year, 18148
- Prisons Bureau:
- annual report, 8618
 - statistical report, fiscal year, 18148
- Pritzker, Leon, measuring quality of housing, appraisal of census statistics and methods, 13413
- Privacy:
- computer role as potential invasion, hearings, 10856
 - Government employees, protect—
 - hearings, 7822
 - report, 15121
 - invasion by Government agencies, hearings, 2049, 4648, 6118
 - print additional copies, reports, 10592, 10786
 - privacy and behavioral research, 7107
 - right of privacy act of 1967, hearings, 10858, 17662
- Private enterprise, *see* Business.
- Private express statutes, *see* Letters.
- Private International Law, Hague Conference on, *see* Hague conference on Private International Law.
- Private laws, *see* Law.
- Private pilot, written examination guide, 14071
- Private schools, *see* Schools.
- Prizes, *see* Rewards (prizes, etc.).
- PRL, *see* Personnel Research Laboratory.
- Probabilities (mathematics):
- distributions of signals and noise, 1st and 2d order, measuring system, devised, 17085
 - geomorphology, probability concepts, 2366
 - ionization probability of iron particles at meteoric velocities, 11406
 - random process theory aids, digital data processing study, 16952
 - random processes, statistical analysis, computer program performs, 2652
 - structural optimization with probability of failure constraint, 5252
 - target lock-on by automatic ranging system during automatic search, USSR study, 11283
- Probation:
- Federal probation (periodical), 3309
 - Federal system, persons under supervision, 15821
- Probenecid, uricosuric drug administration on uric acid levels in unstimulated paratid fluid, effect, 11960
- Probes:
- antennas effects on aerodynamic characteristics of Apollo spacecraft, 12948
 - atmospheric stability and drag characteristics at Mach numbers of 10 and 26, 9894
 - conical, pressure, performance at Mach numbers of 3.0, 4.5 and 6.0, 5230
 - glow discharge density sensor probe life is extended, 14430
 - moisture content of wood products in use, accurate determination, 2298
 - movable rf probe elements need for calibration in plasma accelerators, 17973
 - pressure probe compensates for dimensional tolerance variations, 6764
 - self-calibrating catalytic, use to measure free-stream atom concentration in hypersonic flow, 11408
 - thermal conductivity, for soils and insulations, 4201
 - thermal, for glaciers, heat transfer and performance analysis, 17377
 - ultrasonic water column probe speeds up testing of welds, 5225
 - see also* Electric probes—Pioneer space probes.
- Problem of many bodies, *see* N-body problems.
- Problem of meeting movements, 15427
- Problem solving:
- economic calculation and cybernetics, Rumanian studies, 1309
 - impulsive solution, use in optimum trajectory problems with bounded thrust magnitude, 12963
 - problem of game encounter of movements, USSR study, 12676

INDEX 1967

- Problems of astrophysics (USSR periodical) : translations, 15582
- Problems of cybernetics (USSR periodical) : translations, 6526, 14230
- Problems of information transmission (USSR periodical), 3772
- Problems of virology (USSR periodical) : translations, 5026
- Procamburus, new crayfish from Alabama caves, etc., 17050
- Procedures manual for resource management at class 1 installations, 7384
- Proceedings of National Museum, 2751, 5304-16, 6943-71, 8536-50, 9952-53, 11603-612, 12998-999, 14533-546, 15602-607, 17050-51, 18089
- title page, etc., 13000, 14544-46
- Process produces chlorinated aromatic isocyanate in high yield, 6808
- Processing of food, *see* Food processing—*also* names of foods processed.
- Processing personnel actions, 3298
- Processors, data compression, parallel operating, conceptual stage, 12914
- see also* Signal processors.
- Procurement, *see* Air Force—Air Force Systems Command—Armed Forces—Army—Defense Department—Federal Aviation Administration—Government contracts—Government supplies—Military supplies—National Aeronautics and Space Administration—Navy—Navy Department—*also* names of commodities procured.
- Prodoxinae, *see* Moths.
- Produce, *see* Agricultural products.
- Product Safety Commission, *see* National Commission on Product Safety.
- Production :
 - American industrial production, impact of waterborne commerce, 8574
 - commodity transportation survey, census 1963, production areas, 7473
 - computer production technology, USSR study, 6493
 - connecting dynamic production models into schemes, USSR study, 17869
 - coordination with science for needs, USSR study, 1262
 - defense—
 - loan guarantees, regulations, 1066
 - research and development, small business pooling, 5496
 - defense mobilization organization directory, 4460
 - defense production act progress report, hearing, 12185-186, 13543, 14916
 - engineering, problems of science, USSR study, 2432
 - farm, changes, 13247
 - Industrial indexes, 1961-65, 1063
 - Latvia, State prize candidates in production, USSR, announcement, 12683
 - management, defense materials system, monograph, 9608
 - manual for Contract Administration Services, 16461
 - mine production-scheduling model, etc., for long-range planning, 9786
 - national defense, report, 2036
 - new benchmark measures, 12533, 14041
 - 1970 input-output coefficients, 17891
 - output, indexes per man hour—
 - private economy, 8319, 11333
 - selected industries, 6612
 - steel industry, 5055
 - Pacific Northwest forest industries, 3774
 - physiological basis of methods of increasing labor productivity, USSR study, 16766
 - Poland, quantitative analysis of growth, 6482
 - procurement and production, manufacturing methods and technology, 5-year program, 15913
 - productivity, prices, and incomes, study, 12190
- Production—Continued
 - research reports, 50, 4140, 5678, 14759, 15873-874
 - surveillance, graphic charting techniques, training manual, Defense Supply Agency, 10891
 - see also* Gross national product—*also* names or classes of commodities.
- Production control, tabular line-of-balance technique, 7433
- Production credit associations, operations, 1966, summary, 10975
- Productivity, *see* Production.
- Products, *see* Commercial products.
- Products Safety Commission, *see* National Commission on Products Safety.
- Professional education in the public interest (remarks), 5037
- Professional papers :
 - Environmental Science Services Administration, 15230
 - Geological Survey, 1119-24, 2363-72, 4889-91, 6397-6408, 8159-76, 9572-74, 11171-182, 12606-615, 14170-175, 15308-311, 16691-699, 17823-827
- Professional Photography Week, designate, report, 10775
- Professional workers :
 - definition under fair labor standards act, 1665
 - education of handicapped children, preparation of professional personnel, manual, 16508
 - employment in State governments, 15450
 - senior level positions, examination announcement, 8988
 - staffing American colleges and universities, 7913
 - State agricultural experiment stations and other cooperating State institutions, 5622
 - women in professional and technical positions, fact sheet, 5602
- Professionalism and the soldier, 4212
- Professions :
 - allied health—
 - educational improvement grants, 2807
 - personnel training act of 1966, law, 463
 - employment and training opportunities for women, 1669
 - health education, publications, bibliography, 5459
 - health, scholarship program, 13082
 - publications, price list, 17133
- Profiles of military chargeable services, 10296
- Profiles of newly independent states, 11826
- Profit :
 - innovation and profitability (address), 7568
 - large corporations, quarterly report, 3847
- Profit sharing, income tax laws, and regulations, 9596
- Program aid series, 43-49, 1710-18, 4128-37, 5666-77, 7281-93, 8838-45, 10188-194, 11937-938, 13235-237, 14754-758, 15866-871, 17326-330
- Program evaluation and review technique :
 - computer PERT technique monitors actual versus allocated costs, 8458
 - PERT, Army programs, 1752
 - simplified system, 14435
 - theory of PERT and control systems, USSR study, 4932
- Programmed computers, *see* Electronic computers.
- Programmed instruction :
 - Belorussian SSR, status, 1218
 - catalog of instructional material, Navy, 18106
 - civil defense, orientation—
 - governmental responsibilities, 13432
 - nuclear weapons effects, 13429
 - panel book to accompany text, 14846
 - protection against what, 13428

- Programmed instruction—Continued
civil defense, orientation—continued
shelters, 13430
warning, emergency operations, and support programs, 13431
complex classroom, proposed, USSR study, 9661
electromechanical model of man's muscles and its use in programmed teaching, USSR study, 2466
evaluation, USSR study, 1217
maneuvering board, course, 9978
military schools adopt programmed teaching methods, USSR, 16756
prediction of success in instructional programmer school, 17345
programmed learning, Air Force manual, 8850
radiation monitoring, programmed instruction book, 15973
Soviet, recent advances, 6495
theory and practice, USSR studies, 1297
USSR, state of development, etc., 11248
- Programmers:
career opportunities, IRS, 6459
computer specialists, computer programmer, computer systems analyst, examination announcement, 13441
- Programming (computers), see Electronic computers.
- Programming (mathematics):
dual problems in convex and convex-fractional programming in functional spaces, USSR study, 17862
dynamic programming and its application to optimization problems of flight mechanics, 11572
dynamic programming and Pontryagin's maximum principle, 14387
linear fractional programming, USSR study, 8263
- Programming (planning):
libraries, statewide long-range planning, conference report, 1016
planning-programming-budgeting system—hearings, 15158
initial memorandum, 16415
official documents, 13866
print additional copies, report, 15140
Post Office Department, description, 5339
remarks, 17842
selected comment, 13867
print additional copies, report, 15135
Post Office Department, planning for tomorrow's postal service requirements, etc., 8614
program analysis techniques, bibliography, 1824
State and local programs, criteria for evaluation, study, 16411
- Programs for the handicapped (periodical), 15316
- El progreso de la instruccion publica en los Estados Unidos de America, 1966-67, 13952
- Progress-American women, 3776
- Progress in sport fishery research, 12548
- Progress, Missouri River Basin, 3777
- Prohías, Dario L. Platas-, see Platas-Prohías, Dario L.
- Project Apollo (man-in-space program):
accident, Jan. 27, 1967, hearings, 6088-89, 9299, 10796, 12316, 12396
Apollo reliability and quality assurance program plan, 2593, 11393
Apollo/Saturn V replica model, design and fabrication considerations, 16988
Apollo 204 Review Board report to Administrator, NASA, 9931, 17020
Apollo wind tunnel testing program, historical development of general configurations, 2722
command module—
low-speed dynamic-model investigation of configurations in Langley spin tunnel, 14452
stability characteristics, 8500
- Project Apollo—Continued
entry flight aerodynamics from Apollo mission AS-202, 17009
manned space flight, NASA facts, 8431
midstream appraisal (lecture), 5498
pace and progress of program, staff study, 10676
passive infrared acquisition and tracking system, analysis, 5177
pilot-controlled docking simulation of command and service module with lunar module, 2689
sextant navigation measurements during lunar module rendezvous, analysis, 6903
space program in post-Apollo period report, 7050
vehicle under entry conditions encountered during lunar return, trajectory optimization, 9919
- Project Chariot (nuclear excavation):
areal geology in vicinity of Chariot site, 8162
potential effects on local water supplies, northwestern Alaska, 2369
- Project Dribble (Salmon event):
Vela Uniform program—
decoupled nuclead explosion, earth vibrations from nuclear explosion in salt dome, 8911
seismic velocity determination and distance measurements in salt dome, 1808
timing and firing, 1810
vent-gas treatment plant, 1809
- Project Dugout (Plowshare program):
multiple row charge blast-wave observations at long range, 1798
- Project EOLE, see Satellites.
- Project Fire (flight reentry program):
flight II, body motions and angles of attack during reentry, 18020
- Project Fire Scan, fire detection interlm report, airborne infrared mapper used as tool in survey, 8106
- Project fog drops, investigation of warm fog properties and fog modification concepts, 6712
- Project Gemini (man-in-space program):
earth photographs from Gemini missions, 12880
Gemini IV mission, terrain photography, 11528
manned space flight, NASA facts, 17949
pictorial review, 1438
- Project Haudcar (Plowshare program):
strong motion and surface accelerations, 5782
- Project Head Start:
beautiful junk, inexpensive materials for preschool program, 17709
child development programs—
how to apply, instructions, 6163
manual of policies, and instructions, 16483
community action program, child development center, points for parents, 10912
daily program for child development center, manual for teachers, 15204
fact sheet, 6166
health services, guide for project directors and health personnel, 12450
how you can help, 10911
newsletter, 3392
physician and Project Head Start, 6165
series, 10911-912, 12450, 15204
- Project Hindsight, 1st interim report, summary, 7857
- Project LITE (legal information through electronics):
Air Force management, hearing, 15034
- Project Mercury (man-in-space program):
aerodynamic heating of afterbody, flight test data compared with prediction methods, 14372

Project Mercury—Continued
 environmental control system, technical history, 18009
 manned space flight—
 history, 8438
 NASA facts, 17949
 second mission, description, etc., 6865
 Project moneywise, role of credit unions in war on poverty, 9451
 Project Moon-Blink, general information, 1429
 Project Palanquin (Plowshare program):
 apparent crater studies, 4237
 Project Pre-Gondola (field cratering experiment):
 clouds, lidar observations, final report, 17397
 preshot geophysical measurements, 15962
 structures instrumentation, 17396
 Project Pre-Schooner (field cratering experiment):
 apparent-crater studies, final report, 13342
 concrete stem for access hole, design, construction, and postshot evaluation, 17395
 geologic and engineering properties investigations, final report, 17394
 technical director's summary report, 5781
 Project Sealab (man-in-the-sea program):
 45-day undersea saturation dive, report, 11669
 Project Sedan (Plowshare program):
 fallout from deeply buried nuclear detonation and aerial radiometric survey, 7426
 Project Seesaw, beginning for rural disadvantaged in Louisiana, 8284
 Project Stormfury, ESSA fact sheet, 16538
 Project Sulky (Plowshare program):
 crater measurements, 4236
 scientific photography, 4235
 Project Surveyor (unmanned lunar exploration):
 program, failure reporting and management techniques, 14406
 Surveyor, NASA facts, 17950
 Surveyor III, preliminary report, 14403
 Project Tech Top, lunar, planetary, and solar topography, study, 5163
 Projectiles:
 cratering in low-density targets, 11420
 flight characteristics, design for control, engineering design handbook, 1751
 impact sensitivity of explosives, study, 14343
 penetration of high speed particles, multivariable analysis of mechanics, 6708
 size effects on hypervelocity impact craters in aluminum, 14468
 Projection screens, *see* Screens (projection).
 Prok, George M., estimation of electron cross sections for molecular hydrogen, 11546
 Prokopius, Paul R., dynamics of water rejection from hydrogen-oxygen fuel cell to hydrogen stream, 18031
 Prolate spheroids, *see* Spheroids.
 Promise of New Asia, 2880
 Promoting worker interest, 9704
 Promotions:
 Armed Forces medical and dental officers, provide opportunities, report, 14943
 Army, enlisted promotion system, pamphlet, 10266
 personnel promotion system of Post Office Department hearing, 10669
 women in Armed Forces, remove restrictions—
 hearing, 9148
 report, 10565
 Proofreaders:
 printer, examination announcement, amdt, 204
 printer-proofreader, examination announcement, amendment, 13437
 Propaganda, *see* Communism.

Propagation:
 combined propagation of unicellular algae and bacteria, Hungarian study, 12691
 radio waves—
 antipodal region of radios station NPM, Hawaii, airborne field measurements, results, 5345
 5GHz in Europe, comparison of predictions and measurements for various types of paths, 6223
 line of sight UHF/SHF, deep and/or rapid fading phenomena aspects, 6225
 long and superlong, in earth-ionosphere waveguide channel, 17873
 USSR papers, 4939
 sonic-boom, effect of inversion waves, 9427
 UHF waves in troposphere, 6508
 waves of finite amplitude in thermoviscous media, 1434
 Propagation of sound, *see* Sound.
 Propanes, fog dispersal experiments, Walla Walla, Wash., 11984
 Propellant gages, *see* Radiotracer propellant gages.
 Propellant tanks, *see* Tanks.
 Propellants:
 cold solid propellant rocket motor as stop-restart capability, 6830
 dynamics in large rocket booster, orbital investigation, 11517
 feed system coupling, effect on analysis of chugging, 11491
 gas chromatographic column enables analysis of propellant hydrazines, 2681
 high energy, bibliography, 11431
 liquid—
 factors influencing heat transfer to rocket-thrust-chamber coolant channels, 1484
 reorientation, experimental investigation, 5261
 multistage liquid-propellant launch vehicle response to longitudinal excitation, 11522
 rocket, thixotropic gels, study, 10005, 11679
 solid—
 medium temperature, vortex valve study, 2651
 proportional secondary injection thrust vector control study, 2604
 rocket motor performance computer programs using group transformation method, 1483
 rocket motors, structural dynamics, 2611
 transverse-mode combustion instability in vortex burner, experimental investigation, 1511
 storable-propellant rocket engines, ablative-material thrust chambers as components, evaluation, 15555
 subliming-solid-propellant thruster systems for attitude control of spacecraft, performance, 6884
 vaporization, frequency response characteristics, analysis, 5235
see also Fuel.
 Propellers:
 aircraft—
 current industrial reports, 15990
 left- and right-hand rotation, on large semispan tilting wing, aerodynamic data, 6855
 single, on large semispan tilting wing, aerodynamic data, 9879
 type certificate data sheets and specifications, 3017
 airworthiness standards, Federal aviation regulations, 9442
 ducted, 7-foot-diameter, wind-tunnel investigation, 15573
 propeller-rotor whirl flutter, review, 12971
 Property, rental, District of Columbia, used for residential purposes, require publication of owners' names, hearings, 2113

Property—Continued
see also Enemy property—Personal property—Public property—Real estate—Sales—Surplus property.

Property rights:
 family and property law, summary—
 New Jersey, 10138
 New York, 10139
 Ohio, 13187

Prophylaxis:
 and treatment of radiation illness, problems, Rumanian study, 4931
 poisoning of white rats with sarin, Bulgarian study, 6544
 poliomyelitis, USSR study, 1266
 principle, in health protection in Rumania, 1160
 vibration diseases, USSR study, 11265

Prophylaxis pastes, *see* Dentrifices.

Proportional counter tubes, *see* Proportional counters.

Proportional counters:
 aluminized thin-window proportional-counter tube is stronger, more responsive in long wavelength region, 8451
 Halpern-type neutron detector, study, 11592

Propulsion:
 Aerobee 150 propulsion failure, causes, etc., 6851
 and power production, French frigate Suffren, 9670
 nuclear, cooldown characteristics of regenerative nozzle used in cold-flow rocket test facility, 11500
 ships, magnetohydrodynamic prospects, USSR study, 14256
 system, integration with airframe for Mach 6 cruise vehicles, 18010

Prose, poetry, and black power, 9407

Prospecting:
 contributions to geochemical prospecting for minerals (series), 4886
 suggestions for prospectors, techniques, etc., 9575

Prospector, cowhand, and sodbuster, historic places associated with mining, etc., in trans-Mississippi West, 13008

Prosperity:
 and prices (remarks), 235
 challenges in sustaining prosperity, seminar on manpower policy and program, 5041
 in times of prosperity, Good Lord, preserve us (remarks), 17269

Prostheses:
 immediate postsurgical prosthetics in management of lower extremity amputees, 13171
 prosthetics research, bulletin, 11889, 18246
 prosthetist examination announcement, 17455
 Veterans Administration work, hearings, 10681

Prosthesis, Orthopedics, and Traumatology imeni M.I. Sitenko, Khar'kov Scientific Research Institute of *see* Khar'kov Scientific Research Institute of Prosthesis, Orthopedics and Traumatology imeni M.I. Sitenko.

Prosthetic and Sensory Aids Service, Veterans Admin., work, hearings, 10681

Prosthetics, *see* Prostheses.

Prostka, Harold J., igneous geology of Dry Mountain quadrangle, Jefferson County, Mont., 2358

Protecting Ag pilot, 140

Protective clothing, *see* Clothing.

Protective coatings, *see* Coating materials.

Protective equipment, *see* Safety equipment and appliances.

Protective shelters:
 Adirondack-type, building plan, 10186
 fallout shelters—
 architectural design, shielding requirements, influence on form, 8981
 architectural, engineering, and consulting firms with certified analysts, directory, 13424
 community development and civil defense, technical report, 16059
 community planning, seminar and workshop, guide, 14843
 dual-purpose designs receiving awards in Brooklyn competition, 7529
 for homes with basements, handbook, 13425
 how are labor union members affected?, 4383
 HUD aids, 12625
 improving protection in home basements, evaluating techniques, 5765
 in schools, civil defense program materials, 16052
 management handbook, 5916
 national design competition, community center, awards, 16060
 national survey program, joint civil defense support group, phase 1 survey instructions, 15226
 new buildings, civil defense program materials, 17451
 new buildings, designing, manual for architects, 7530
 nuclear defense design for architects and engineers, courses, announcement, 16053
 policy resolutions of AFL-CIO, 1903, 17452
 programmed orientation to civil defense, 13430
 radiation shielding, design and analysis, 14847
 shelter management, textbooks, 16057
 3-bedroom rural dwelling, building plan, 13232
 field CBR collective protection, Army technical manual, 5740
 maintenance of civil defense shelters, USSR study, 12756
 personal and family preparedness for survival, 1905

Proteins:
 concentration level related to parotid fluid flow rate, 10239
 contractile muscle proteins, USSR studies, 15346
 egg white, heat stability under minimal conditions that kill salmonellae, 11918
 fish concentrate, experiment and demonstration plant, law, 415
 globular structure, data from X-ray structural crystallography, USSR study, 12726
 human serum protein concentration, estimation of change during simulated altitude and aerospace flights, 7342
 intake effects on nitrogen retention and growth of cattle, 1723
 mathematical methods in interpreting and evaluating proteinogram and their practical significance, USSR study, 12694
 milk, dye-binding evaluation method, 4152
 myofibrillary, functional role of subfractions, USSR study, 14228
 nerve fiber proteins (neuroaxial), USSR biochemical and histochemical studies in experimental allergic demyelinating encephalomyelitis, 14213
 parotid fluid, flow rate effect on level, 7363
 phosphoproteins, metabolism in experimental atherosclerosis of liver, USSR study, 1275
 protein nutrition, biochemistry, USSR book review, 15405

INDEX 1967

Proteins—Continued
 water-soluble protein fraction of human brain, spectral characteristics, USSR study, 12707

Prothrombin, quality control in coagulation procedures in 1-stage prothrombin time, 17358

Protons:
 and space travel, introduction, 1731
 bombardment, high-purity, single-crystal silicon, 11534
 chemical displacement in double-bond, rule for estimating, 12727
 effects on primates, 4179
 low energy, trapped radiation environment models, 16929
 space environment, biological effects, estimate, 4176
 stopping power and range tables, 5192

Protozoa, subject catalogue, 15
see also Gymnodinium breve.

Providence, R.I., area wage survey, 14290

Providence County, R.I., bedrock geology of Chepachet quadrangle, 16685

Proving grounds, Bahamas long range, agreement with United Kingdom, 17241

Provost marshal, Union Army papers, pamphlet to accompany microcopy relating to individual civilians, 18061

Provus, Malcolm, staffing for better schools, 16511

Provers County, Colo., soil survey report, 17137

Prunes:
 dried, canned, U.S. standards for grades, 13891
 industry of France, 12565
 production, use, value, 1965-66, by States, 14695

Pruning:
 open-grown black cherry, 17803
 root pruning of mabogany nursery stock, 12572
 special pole pruner cuts branchlets from tree tops, by helicopter, 11123
 teak, effects, 12576

Pryor, William H., jr.:
 effect of nitrogen dioxide-nitrogen tetroxide on oxyhemoglobin dissociation, 13270
 gamma radiation LD 50(30) for rabbit, 17347

Przedpelski, Zygmunt J., lift fan technology studies, 11402

PSAC, *see* President's Science Advisory Committee.

Psammocora contigua, *see* Corals.

Pseudatteria, *see* Microlepid ptera.

Pseudophilomedidae, *see* Crustaceans.

Pseudotsuga macrocarpa, *see* Fir.

Psolid holothurian genus Lissothuria, 8550

Psoriasis, description, symptoms, etc., 14627

Psychiatric clinics, *see* Clinics.

Psychiatric nurses, *see* Nurses and nursing.

Psychiatrists, jobs and mentally restored, memo, 5051

Psychiatry:
 development in Tadzhikistan, 4983
 geographic and astronomic distance responses by rated officers in mental status examination, 4174
 nursing, institutions offering trainee stipends for graduate and undergraduate education, 11760
 rating scales handbook, 1573

Psychical research, *see* Extrasensory perception.

Psychoacoustics, table of intensity increments, 136

Psychoactive agents, *see* Psychotropic drugs.

Psychochemical warfare, *see* Chemical warfare.

Psychologists:
 clinical, counseling, etc., examination announcement, 12113

Psychologists—Continued
 psychologists in mental health, 1964 survey, 5458
 research, examination announcements, 200, 16071

Psychology:
 and the theory of learning, USSR study, 14268
 aspects of 20 days in full pressure suits, 20 days at 27,000 ft. on 100% oxygen and 34 days of confinement, 6723
 bibliography, Air Force Academy Library, 10206
 careers in Veterans Administration, examination announcement, 12113
 effect of variables on job satisfaction and intent to re-list, 7370
 experimental research, USSR study, 16783
 PACAF basic bibliographies, 11950
 philosophical development of theories, USSR study, 5024
 sets and cybernetics, USSR study, 8264
 wonder and mystery of psychics, USSR study, 6528
see also Parapsychology.

Psychomotor tests, *see* Mental tests.

Psychopharmacology:
 abstracts, 3780
 animal research, handbooks, index, 7083
 bulletins, 1588, 8641, 17161
 Czechoslovakia, recent research, 16774

Psychophysiology:
 psychophysiological analysis of labor activity, USSR study, 11260
 space, effect of high and low afferentation on human organism, USSR studies, 1345

Psychotics, *see* Mentally ill.

Psychotronics, Trojan horse of irrationality, USSR, 11259

Psychotropic drugs:
 and related compounds, tabulation, 11752
 ethnopharmacologic search for psychoactive drugs, symposium, proceedings, 17173

Pterophyllum, *see* Angelfish.

Public administration, executive development programs in public service, university-sponsored, 2193

Public affairs, *see* Public information.

Public assistance:
 aid to families with children in Cleveland and Cuyahoga County, Ohio, study, 4386
 aid to families with dependent children—in Gary, Ind., 13435
 protective payments, report, 9060
 California welfare recipients, nursing home care, etc., GAO report, 2354
 caseloads, impact of training programs under Manpower development and training act and Area redevelopment act, and public assistance work and training programs, 3406
 cases, reasons for opening and closing, 7941, 13996
 costs of State and local administration, services, and training, 15233, 16541
 costs per case month, 1966, for administration, services, and training, 13995
 Federal assistance programs, catalog, 12447
 health services, coordinated funding, in projects receiving or eligible for assistance under programs of HEW and OEO, 13938
 limiting money payments to recipients, State maximums and other methods, 18205
 medical care—
 paid through payments to vendors, utilization, 10974
 vendor payments by type of service, 10971
 vendor payments, recipients, 16542
 vendor payments, recipients and amounts, 13997

Public assistance—Continued
 program under social security, amend act, hearings, 7763, 10684
 source of funds expended for payments, 9436, 16543
 source of funds expended for payments and cost of administration, services, and training, 4752
 special types, money payments to recipients, 4751
 State agencies be required to make needed changes, message from the President, 12198
 State-Federal programs, improvement, social security amendments of 1967—hearings, 15154, 16109
 reports, 14953, 14964
 summary, 15053
 State salary ranges of positions in public welfare, 4898, 11194
 statistics, monthly advance release, 2988
 unemployed-parent segment of aid to families of dependent children, 3988
 welfare in review (periodical), 4061
 statistical supplement, 5596
 welfare programs and services, facts, 7234
 work and training programs, impact on caseloads, 3406
see also Social work and problems.

Public Broadcasting Corporation:
 establish—
 hearings, 13710
 reports, 10756, 14980

Public buildings:
 accessibility to physically handicapped, insure—
 hearing, 15173
 report, 15124
 act of 1959, amend—
 hearing, 960
 reports, 627, 931
 Federal, disaster control and civil defense, change, 14613
 foundations, subsurface exploration for and design and construction, GAO review, 11156
 Government leased, construction, modification, etc., to comply with provisions of Davis-Bacon act, hearing, 17674
 painting contracts on Federal facilities in Washington area, irregularities in performance, hearing, 15033

Public Buildings Service:
 inspection controls over concrete placements in building construction projects, GAO review, 11153
 subsurface exploration for and design and construction of foundations for public buildings, GAO review, 11156

Public contracts, *see* Government contracts.

Public debt:
 Federal debt management (remarks), 2951
 increase in ceiling—
 hearings, 6049, 6097, 10685, 12407
 laws, 9033, 13526
 Public law 89-49, legislative history, 2063
 public law 89-472, legislative history, 2063
 public laws 90-3 and 90-39, legislative histories, 15051
 reports, 6003, 6008, 6086, 9081, 10621, 12249, 12273, 13636, 13799
 Treasury Department circulars, 2948, 5370, 7208, 8773, 13167-169

Public Debt Bureau, appropriations, 1968, additional, amendment, proposal, 10695

Public Documents Division:
 classified list of Government publications, 17131
 price lists, 1564, 2800-4, 5413-19, 7052-58, 8623, 10037-41, 11712-713, 15669
 672, 17132-136, 18149-151

Public domain, *see* Public lands.
Public education, *see* Education.
Public employment, *see* Employment.
Public facilities:
 State and local needs and financing, study, 1977
 print additional copies, reports, 6082, 10586

Public health, *see* Health—Public Health Service.
 Public health advisors, program of PHS, 10064
 Public health analysts, program of PHS, 10064
 Public health nurses, *see* Nurses and nursing.
 Public health schools offering nurse traineeships for full-time academic study, 5464, 15710

Public Health Service:
 act, amend—
 hearings, 12305, 17670
 laws, 461, 463
 reports, 16230, 16247
 advisors and analysts program, 10064
 air pollution courses, 2806
 appropriations, 1967, supplemental, hearings, 2040
 appropriations, 1968—
 amendments, 10517
 hearings, 10631
 law, 12170
 report, 10766
 career opportunities—
 general information, 11721
 pharmacist, 15676
 physical therapist, 18155
 scientists, 8652
 veterinarian, 18156
 careers in nursing, 10042
 CCPM pamphlet, 10043
 commissioned officer student training and extern program, 10043
 conference, of Surgeon General, with State and territorial mental health authorities, proceedings, 5457
 construction grant programs, labor standards provisions, 8637
 cooperative studies, renal disease and hypertension, conferences, proceedings, 17160
 coordinated home care programs, development and administration, guide, 5432
 COD, commissioned officer residency deferment program, 8626
 Environmental Engineering and Food Protection Division, research grants, 5463
 fellowships, nurse, special research, 15711
 film catalog, 17045
 grade A pasteurized milk ordinance, 1965
 recommendations, 14624
 grants and awards, 1966 funds—
 construction of facilities, 11755
 health services, formula, project, regional medical planning, etc., 8644
 mental health research, 14630
 mental health training, 14631
 research, 7085-86
 summary tables and graphic highlights, 15706
 grants for health services made to Washington State, financial administration, GAO review, 14160
 grants for research projects, policy statement, 11756
 grants for training projects, policy statement, 13091
 group life insurance program, annual report, 8778
 health information leaflets and pamphlets, list, 18171
 health research facilities, construction program, Surgeon General's report, 524, 12207

INDEX 1967

Public Health Service—Continued

- hospitals—
 - dental internships, 15679
 - diagnostic and demographic data of patients discharged, statistical summary, 8629
 - pharmacy residences, 13087
- Indian and Alaska native health program, nurses, examination announcement, 10436
- Indian health program, report to the first Americans, 11761
- information submitted on public health personnel, 10039
- management intern program, 10065
- medical care responsibilities, legal aspects, 1582
- nurses in Indian health program, examination announcement, discontinuance notice, 10423
- public advisory groups—
 - authority, structure, functions, 2831, 11750
 - roster of members, 8650
- public health laws, compilation, 4547
- publications, 1581, 11741, 17133
- regulations on biological products, etc., 11720
- research grant projects, accident prevention, references to publications, 8645
- research grants index, 8647
- research grants of NIH, administration, report, 17575
- residences for physicians, general information, 8648
- senior clinical traineeships, cancer control, 14618
- technical information bulletin, 17164
- traineeship program—
 - professional health personnel, 15713
 - professional nurse full-time academic study, 5464, 15710
 - professional nurse short-term courses, 8653, 17162
- training grants, traineeships, fellowships, etc., 7086
- uniformed services, joint travel regulations, 3455
- Public Housing Administration, local authorities participating in low-rent programs, 3520
- Public information:
 - act, effect on member banks, 14042
 - availability from executive departments and agencies, Attorney General's memorandum on public information section of administrative procedure act, 12762
 - catalog of current information materials, Armed Forces Information and Education, 7374
 - clarify and protect right of public, codify provisions of Public law 89-487—
 - law, 12165
 - reports, 7707, 10780
 - Federal Reserve System Board of Governors, rules regarding availability, 14047
 - legislative, mechanization of USAEC library, 5790
 - Navy Department, direction for commanders and public information officers, 3269
 - news policies in Vietnam, hearings, 953
 - newspaper's privilege, 2129
 - photographic manual, Naval Air Systems Command, 2763
 - Post Office Department, PI series, 1559, 2791, 13056, 17119
 - public affairs handbooks for—
 - community action agencies, 13940
 - Navy chaplains, 13028
 - see also* Public relations.
- Public Land Law Review Commission:
 - appropriations, 1968—
 - hearings, 7734
 - law, 12170
 - reports, 10560, 10766, 12252

- Public Land Law Review Commission—Con.
 - extend, and increase authorization—
 - hearings, 15040
 - report, 14970
- Public lands:
 - Agriculture Dept. jurisdiction, cash equalization of exchanges, report, 2084
 - appeals, Interior Department decisions, 3429
 - camping on public lands, State sites, facilities, etc., 8328
 - classify for disposal or interim management under multiple use principles, law implement, hearing, 10853
 - code of Federal regulations, 12527
 - forested lands of Pacific Northwest, development (remarks), 8210
 - geothermal steam deposits, disposition, hearings, 4546, 12411, 15037
 - how to buy, 15456
 - Interior Department decisions, 3426
 - land exchange in national forest system, 17329
 - National Advisory Board Council, proceedings, 27th annual meeting, 12778
 - Nevada and Oregon, grazing reserve for Indians of Fort McDermitt, Nev.—
 - law, 17552
 - report, 15112
 - our public lands (periodical), 3663
 - public domain, its place in our history, etc., 2525
 - sale, temporary authority, law, implement, hearing, 10853
 - statistics, 9748
 - Taylor grazing act, amend to clarify exchange authority, report, 875
 - what are public lands?, 8327
 - see also* names of States, etc., where lands are located.
- Public law 480, *see* Agricultural trade development and assistance act of 1954.
- Public laws, *see* Law.
- Public library program amendments of 1966, 1135
- Public management, *see* Administrative management.
- Public Management, National Commission on, *see* National Commission on Public Management.
- Public papers of Presidents of United States, 1059, 2256, 4780
- announcement and order form, 8622
- Public participation in processes of Government, 10523
- Public policy:
 - implications of investment company growth, report, 2035
 - science, Government, and public policy Government-science relationships during 89th Congress, 13716
- Public Printer, *see* Government Printing Office.
- Public printing and binding:
 - Federal printing program, report on study directed by Joint Committee on Printing, 10688
 - procurement of printing of technical manuals from equipment contractors, GAO report, 2345
- Public property:
 - administration, NASA regulations, 18058
 - administration of Government property by contractors, guidance, 16456
 - code of Federal regulations, 9481
 - Federal property and administrative services act, amend, report, 13794
 - maintenance of grounds, engineered performance standards, handbook, 11625
 - management, code of Federal regulations, 6288-90, 9478-80
 - transferred to other Government departments by RFC, payment in lieu of taxes, extend—
 - law, 13531
 - reports, 10606, 13793

Public regulation of business, Treasury view, 11884

Public relations, dissemination of information about the handicapped (remarks), 18140

Public roads, *see* Roads and highways.

Public Roads Bureau :
annual report, 5474
supplement, 7101
director, nomination of Francis C. Turner, hearing, 7826
engineering opportunities for college student, bridge to your success in highway engineering training program, 1593

Federal-aid interstate highway frontage road near Billings, Mont., justification, GAO review, 2348

highway engineering training program, opportunities for young engineers, 18192

John Day River Bridge, interstate route 80N, Oregon, review of circumstances relating to collapse, GAO report, 4877
press releases, 3756
professional highway engineer, opportunities, 18193
transfer—
law, 389
report, 906

Public safety, *see* Safety of life.

Public schools, *see* Schools.

Public Television Corporation, establish, hearings, 18024

Public utilities :
Alaska earthquake, Mar. 27, 1964, effects on transportation, communications, and utilities (series), 6402, 12609
holding companies, security transactions and holdings, 3653
south-central Alaska, 1964 earthquake effects, 12609
State utility commissions, summary and tabulation of information, 17655

Public welfare :
agencies, information services, 10134
code of Federal regulations, 7984
community work and training program, message from the President, 7606
departments, opportunities for volunteers, 13184
extend certain programs, law, 13523
intake and case recording, fact-finding report, Santa Clara County Welfare Department, San Jose, Calif., 10973
national blueprint for, 4897
personnel, 1965 statistics, 12483
see Social work and problems.

Public works :
appropriations, 1967—
hearings, 939
law, 403
appropriations, 1968—
hearings, 10634, 12287, 16393
report, 13678
authorization, 1968, rivers and harbors, flood control, etc.—
law, 493
report, 698
code of Federal regulations, 9481
economic development programs, status, etc.—
reply of EDA to Subcommittees interim report, hearing, 12313
report, 7682

EDA grants and loans for public works and development facilities, 7869, 13935

Engineers Corps, Army—
civil functions, John Day River Bridge, interstate route 80N, Oregon, review of circumstances relating to collapse, GAO report, 4877
civil works activities, report 1966—
departmental edition, 16518
document edition, 16151

Public works—Continued

Engineers Corps Army—Continued

State-constructed Del Valley Dam and Reservoir, Alameda County, Calif., planned Federal contribution toward cost, GAO review, 6384

maintenance, engineered performance standards, 17067
handbooks, 11625, 14567
management, Navy, 2781

public works and economic development act of 1965—
maximum grant rates in qualified areas, 4685, 15202
project activity supplement, 6159
title 5, amend—
hearings, 13713
law, 17548
reports, 7788, 12359, 14957, 14974, 16265

Public Works Committee, House :
calendar, 3483
committee prints, 6041, 15048, 16340-341, 17611
hearings, 750-751, 2055-56, 4558, 9168, 12311-314, 13713
Investigations and studies—
authorization, report, 6023
expenses, report, 9103
legislative activities, 89th Congress, 6041
reports, 627, 670, 4506, 7682, 9122, 13630, 14957, 14989, 16272-273, 16299, 17577
travel authorization, report, 7717

Public Works Committee, Senate :
additional staff and funds, authorization, reports, 4591, 4615
calendar, 3501
committee prints, 4658, 17675
hearings, 960, 4657, 6125-26, 7825-27, 10871, 12426-427, 13856, 13883, 15153, 15173-174, 15176, 16433-435, 17673-674, 17676
legislative activities and accomplishments, summary, 89th Congress, 4658
reports, 883, 885-886, 931, 2095, 2100, 4591, 7788, 9297-98, 10726-727, 10732, 10769, 12359, 13821, 15124, 15126, 16377

Publications :
criteria for evaluating scientists, quality and quantity, 1709
Federal item identification guides for supply cataloging, supplements, 3292
international exchange, convention concerning, report, 9188
see also Government publications—also names of departments, etc., issuing publications—also subjects.

Publicity, prejudicial, affecting administrative procedure, amend act, hearings, 13871

Publishing, industry report, 3770

Puckett, H. B., automatic feeding equipment for livestock and poultry, 8830

Puddle Springs quadrangle, Wyo., geology, 12602

Puente, Floriberto S., relief, 12239, 12345, 13498

Puente, Julio M., motor carrier accident, 16872

Puerto-Cito Reservation, rural electric facility, dedication (remarks), 15875

Puerto Ricans, workers, impact of changing economy, statistics, 16831

Puerto Rico :
agriculture departments, 1967 directory, 7836
and other outlying areas, 1960-66, estimates of population, 5880
climatological data, 3096
coast pilot, 17467
supplement, 7553
constant warning facilities chart, 11905
commodity classification, reporting shipments to U.S., schedule P, 10386
county business patterns, 5851, 13385

INDEX 1967

Puerto Rico—Continued

fertility and educational attainment, 15715
50th anniversary of American citizenship, report, 9263
nautical chart catalog, 4415
nurses in public health, number, educational preparation, etc., 17155
petroleum refineries, mineral industry survey, 15472
plant regulatory officials, 5618
political status—
background studies, 2960
report, 2959
settlement, economic factors, 10690
settlement, hearings, legal-constitutional factors, 763
settlement, hearings, social-cultural factors, 2068
schistosomiasis, prevalence, skin test survey, 8654
soil survey laboratory data and descriptions, 14661
stratigraphy, Cretaceous and lower Tertiary, in west-central area, 17820
U.S. Army, Southern Command, personnel ordered to helpful hints, DA pamphlet, 17384
U.S. trade, monthly report, 3359
weather in Luquillo Mountains, 14130
Puget Sound Naval Shipyard, certain employees, relief, 824, 9223, 13496, 13565
Puget Sound Plywood, Inc., relief, 602, 771, 7660, 9226
Pugwash conference, 16th, report, 1234
Pulaski, County Ark., water resources, 8181
Pullets, *see* Chickens.
Pullman Company, 1965 transport statistics, 8236
Pulmonary diseases research conference, phatic absorption of radioactive albumin from lungs, 13269
Pulmonary diseases research conference, transactions, 13172
Pulp:
current industrial reports, 3169, 8944
industry industrial plant equipment handbook, 4675
industry report, 3788
Pulp wood, *see* Wood pulp.
Pulpboard:
current industrial reports, 3169
hardboard, standard of trade, 12978
particleboard, current industrial reports, 5870, 12077
wood base fiber and particle panel materials, thermal conductivity, 14124
Pulpwood, *see* Wood pulp.
Pulse analyzers, multichannel height, inexpensive, features low power requirements, 15536
Pulse autocorrelator electronic system, accurately determines laser measurements, 16968
Pulse generators, using transistors and silicon controlled rectifiers produces high current pulses with fast rise and fall, 1455
Pulse modulators:
circuit multiplies width modulation, etc., 9828
laboratory uses minority carrier storage diodes, 14428
Pulsed reactors, *see* Reactors (atomic).
Pulses:
amplitude, boosted with one transistor circuit, 1464
high interval stability, electronic circuit delivers, 2636
neutron pulse propagation techniques, symposium proceedings, 12003
output timing errors, modified univibrator compensates, 12834
radar, coding system for clutter suppression, analysis, 10018, 14596
short-pulse techniques, 9996

Pulses—Continued

stretcher has improved dynamic range and linearity, 5148
technique provides more accurate check-out of exploding bridge wire device, 2672
Pulses (seeds):
dried, foreign agriculture circulars, 3345
Pulverizing lignite in ball mill, 15476
Pumice, minerals yearbook chapter, 1407
Pumped storage for hydroelectric power, selected list of references, 14707
Pumping machinery, *see* Pumps.
Pumps:
axial-flow, 2-stage, with tandem-row inlet stage, blade-element performance, 11513
centrifugal, method of rating, military standard, 13924
coal-fired water pump, 1408
current industrial reports, 437, 17434
farm, current industrial reports, 3169, 4327, 15996
Federal item identification guides for supply cataloging, supplements, 3288
inducer, hubless, performance in water and liquid nitrogen, 6860
oil-well rotary, deposition in, of barium sulfate from sea water, 11386
oscillations, reduced by negative feedback system, 8473A
pump and reeled hose system for studying vertical distribution of small Plankton, evaluation, 14065
simple, maintains liquid helium level in cryostat, 8465
single-phase induction electromagnetic pump, 9909
water, electric, on farm, 10176
Punched card systems, coding and key-punching, geological information form for core, grab, and dredge samples instructions, 6997
Punched tape, tester automatically checks paper tape punch and reader after maintenance, 15537
Punishment, *see* Imprisonment.
Punnett, Elcen L., relief, 9255
Punta del Este, Uruguay:
commitment for progress, the Americas plan for decade of urgency, declaration of Presidents of America, 11828
Latin American summit conference—
support historic new phase of alliance for progress—
hearings, 7747, 7807
reports, 7715, 9098
understandings on behalf of U.S., recommendations, message from the President, 7610
welcoming, etc., report, 10728
Pupils (students), *see* Students.
Purcell, Ganson, Jr., blood clotting studies in submarine crew, 12790
Purchasing:
Agricultural Stabilization and Conservation Service, reports, 3789
buyer's assumption of risk in international sales, Bulgarian discussion, 5013
consumer buying indicators, series, 1878, 5884, 14822, 16027
could you use multimillion dollar customer? VA invites you to submit your product or service, 2965
dairy products under price support program, 1965-66 marketing year, 21
Federal Aviation Administration, procurements in Pacific region, GAO review, 11155
fish and shellfish, buying guide, 15257
food, how to use USDA grades in buying, 5671
Government guide for businessmen, 1104
instant nonfat dry milk, how to buy, 15853
national forest timber, 11103
surplus personal property, how to buy from Defense Dept., 10897

Purchasing agents, buyers, pay, national survey, 2507
 Purification of boron, *see* Boron.
 Purification of tungsten hexachloride, 14341
 Purification train produces ultrapure hydrogen gas, 9842
 Pushchino-on-the-Oka, Russian Soviet Federated Socialist Republic, automatic analysis of microscopic objects, conference, 1219
 Puthoff, Richard L., design study of regeneratively cooled nozzle for tungsten water-moderated nuclear rocket system, 2729
 Putnam, John F., standard terminology for instruction in school systems, 10942
 Putnam, Lawrence E.:
 effects of aft-fuselage-mounted nacelles on subsonic longitudinal aerodynamic characteristics of twin-turbojet airplane, 2730
 effects of probe antennas on aerodynamic characteristics of Apollo spacecraft, 12948
 hypersonic aerodynamic characteristics of wing-body configurations with canard controls, 2707
 Putzel, Henry, Jr.:
 official reports of Supreme Court, United States, preliminary print, 3652
 United States reports, cases adjudged in Supreme Court, 1645, 2941, 7201
 Puzak, P. P., metallurgical characteristics of high strength structural materials, 10014
 Pyelonephritis, Public Health Service cooperative studies, conferences, proceedings, 17160.
 Pynnonen, Reino O., analysis of recent fatal accidents with front-end loaders, 16856
 Pyorrhea, *see* Periodontal disease.
 Pyraustidae, *see* Moths.
 Pyrethrum:
 synergized—
 evaluation as protectant against insects in sorghum grain, in small bins, 11933
 shelled corn protectant against insects in small bins, 36
 Pyridoxine, methionine-pyridoxine mixture, response of individuals to atherosclerosis, 77
 Pyrites, minerals yearbook chapter, 6692
 Pyroelectric detection techniques and materials, research program, 5159
 Pyroelectric radiation detectors, *see* Radiation detection instruments.
 Pyrolysis, wood, alpha-cellulose, and lignin, effect of inorganic salts, determined by dynamic thermogravimetry, 8103
 Pyrometers:
 obtaining surface temperatures of materials in presence of extraneous radiation, 16975
 radiometer-pyrometer, tech brief, 6769
 self balancing line-reversal, automatically measures gas temperatures, 15538
 Pyrometry, surface temperature measurements of opaque materials, 2649
 Pyrotechnics:
 military pyrotechnics series, engineering design handbooks—
 bibliography, 1750
 theory and application, 10252
 Pyruvates, anesthetized dog, hydrazine effect, 7359

Q

Qatar, foreign trade regulations, of Arabian Gulf States, 17480
 Quadrature approximations, abscissas and weights for Gaussian quadrature, 5284
 Quaintance, Jean A., relief, 265
 Quaking aspen, *see* Aspen.
 Quality and pure price index, 8322
 Quality control:
 and reliability, handbook, 6154, 10902
 quality assurance program, storage/maintenance of industrial plant equipment, 13912

Quality control—Continued
 substance, quality assurance information handbook, 10887
 see also subjects.
 Quantitative analysis:
 atomic absorption spectrophotometry, modified method for determining uranium isotopes, 14368
 cesium-137 in irradiated nuclear fuel separation technique provides rapid quantitative determination, 12845
 production growth in Poland, 6482
 quantitative methods in sociology, USSR study, 12678
 quantitative methods of management, 11591
 Quantum effects in information transmission systems, 18057
 Quantum generators, *see* Lasers.
 Quantum mechanical study of molecules, 5181
 Quantum mechanics:
 Browian motion as route to statistical mechanics and to quantum communication theory, 8597
 calculations of 2d virial coefficients for hydrogen, 8527
 Quarantine, plant, guard against pests for beautiful America, 1713
 see also subjects.
 Quarterly:
 NOTE:—For all publications which begin with the word "Quarterly", *see* subject, name of department, etc., issuing publication.
 Quarters:
 Military Academy, provide without charge to certain civilian instructors, etc.—law, 430
 report, 933
 Quartz:
 crystals detect gas contaminants during vacuum chamber evacuation, 14416
 latite, grades in compositionally zoned ash-flow sheet in southern Nevada, 1120
 radon gas, useful for medical purposes, safely fixed in quartz, 6695
 ternary diagrams of quartz-feldspar content of pegmatites in Colorado, 1111
 Quartz Creek mining district, composition of pegmatites, 1111
 Quasilinear differential equations, *see* Equations.
 Quate, Laurence W., revision of click beetles of genus *Melanotus* in America north of Mexico, 8545
 Quattlebaum, Charles, education and training enactments, 6121
 Queen Anne's County, Md., soil survey report, 2874
 Queensland maple, *see* Maple.
 Quehaona pilot plant first generation process operations, 5777
 Questions and answers about eradicating hog cholera, 45
 Questions and answers, medical assistance, medicaid, 10972
 Questions and answers on Federal beautification and open-space land programs.
 Questions and answers on Golden Eagle passport and other Federal outdoor recreation fees, 7030
 Quick attach and release coupling assembly, self-aligning, self-sealing, 6789
 Quick facts on programs of Office of Economic Opportunity, 4693, 9384
 Quick look at hours worked under Fair Labor standards act, as amended, 1966, 11898
 Quiet revolution, 12208, 12451
 Quigley, Hervey C., flight and simulator study of directional augmentation criteria for STOL airplane, 9896
 Quigley, Kenneth L., look at black walnut timber resources and industries, 8121

Quilleute Indians, judgment funds, disposition, law, 378
 Quimby, Freeman H., participation of Federal agencies in international scientific programs, 6044
 Quinices, growing, general information, 5634
 Quinidine, prices, hearings, 16425
 Quinine, and quinidine, prices, hearings, 16425
 Quinn, Alonzo W., bedrock geology of Chepachet quadrangle, 16685

R

R.E.A., *see* Rural Electrification Administration.

R.N. Bert Dosh Lock, name, report, 885
 Raabe, R. G., mineral industry of North Dakota, 8360

Raen, Helen P., indexes to Oak Ridge National Laboratory master analytical manual, 7428

Rabbits:

brain, neuron differentiation, USSR cytochemical study, 14221
 gamma radiation LD 50(30), 17347
 processing plants, chemical compounds authorized for use under USDA inspection programs, lists, 10878, 16445
 renal excretion of solutes in rabbits, effect of -70° acceleration, 14776
 spermatozon, electronic method for counting and sizing, 11954

Rabin, William T., special benefits awarded to persons 72 years of age and older during last quarter of 1966, 16086

Race problems:

America's crucial lesson (address), 12463
 civil rights act of 1964, title 6, open every door, goal for nursing homes, 13183
 civil rights and race relations, seminar, 2879

compliance officer's manual, procedures under title 6, civil rights act of 1964, 1906

desegregation guidelines, do they go far enough?, 9398

equality in education, remarks, 1006

Federal role in urban affairs, hearings, 6111

help for ghetto (address), 2484

banning discrimination—

legal and moral implications (statement), 13057

Springfield-Holyoke-Chicopee metropolitan area, report, 4385

prohibit discrimination in housing, education, etc., report, 4498

prose, poetry and black power (address), 9407

public schools, racial isolation, Civil Rights Commission report, 5918
 summary, 8982

questions and answers on race relations, guide, 10913

school desegregation—
 education parks, appraisal of plans, 14850

educators must lead way (address), 1004

guidelines, hearings, 4548

nobody wanted, 15213

plans, revised statement of policies, 2190

policies and guidelines—

investigation, hearing, 752

select committee to study report, referring investigation to Judiciary Committee, 4559

progress and problems (address), 4718

schools can be desegregated, 14849

Southern schools, 1966-67, study, 13436
 security, respect for the individual, and economic development to combat racial discrimination in city ghetto (remarks), 17841

Race problems—Continued
 urban ghetto, VISTA serves, 6168
see also Discrimination in employment.

Racketeering:

labor, activities of Jack McCarthy, etc.,—
 hearings, 2119
 report, 10731

Radar:

continental defense system, phaseout of certain stations, agreement with Canada, 2932

data—

digital magnetic tape system for recording, 17096

thunderstorms circulations and turbulence studies, 10966

echoes, movement and predictability, 6220
 errata, 10964

IFF, Hartlobe airborne dual antenna system Mark X (SIF) system, 8587

observation of planets, USSR study, 1242

optical radar measurement of atmosphere, 8420

publications, price list, 1562

pulse coding system for clutter suppression, analysis, 10018

addendum, 14596

radar in meteorology, USSR study, 8260

Randle Cliff radar digital range-measuring instrument, 18114

reflections, NRL terrain clutter study phase 1, 14591

rendezvous, advanced antenna techniques, study, 11403

weather radar manual—

fundamentals and applications, 17294

national network observing and reporting procedures, 17293

see also Doppler radar—Monopulse radar.

Radar display systems, weather radars & remote displays, Federal plan, 15232

Radar targets, ambiguity function independent of assumptions about bandwidth and carrier frequency, 8598

Radar tracking, meeting movements problem, USSR study, 15427

Radar, Charles A., colloidal asbestos fibrils as reinforcements for polymeric structures, 16914

Radial displacements, *see* Displacements.

Radial flow, *see* Flow.

Radial-flow fans, *see* Mechanical fans.

Radial furnace shows promise for growing straight boron carbide whiskers, 9836

Radial saws, *see* Saws.

Radiant energy, transport in nongray, non-scattering gases, approximation, 11544

Radiation:

biochemistry, role of Bulgarian scientists, 1159

biological effectiveness of various types, USSR study, 5032

biological effects, 5434

cloud cover and out-going, investigation with satellite Kosmos-122, USSR study, 2443

CN violet, behind shock waves in air contaminated with carbon-bearing compounds, analysis models, 9905

cosmic, investigation by artificial satellite Luna-10, USSR, 1282

counting technique allows density measurement of metals in extreme environments, 17922

cyclic incident, use for measuring absorbance and emittance, 6792

cylinder through plasma sheath, 5176

damage, pharmacology and clinical use of mercaptoamines, USSR study, 8242

design of shielded source for irradiation of natural animal populations, 1782

dose from accelerator-produced radiation, biological interpretation, symposium proceedings, 15960

Radiation—Continued
effects—

- film-boiling heat transfer from flat plate, 14453
- kinetic properties of thermal decomposition of KMnO_4 , result of CO_2 irradiation, 11570
- life processes, bibliography, indexes, 13343
- microbial flora surviving irradiation pasteurization of seafoods, 1800
- relay I experiment, 1482
- electron irradiation effects from 20 KeV to 1 MeV on polyethylene terephthalate capacitor-type meteoroid detector, 1491
- embrittlement of Army SM-1A reactor pressure vessel, projected estimates, neutron spectral effects, 1554
- Enrico Fermi reactor, use for irradiation testing, hearing, 1972
- environmental surveillance, 10048
- extraneous, obtaining surface temperatures of materials in its presence, 16975
- fallout radiation shielding, 14847
- food irradiation—
 - checklist of cost considerations (address), 5807
 - food products, installation for, USSR study, 9663
 - preservation, developing technology (remarks), 4242
 - preservation of food, conference, 13318
 - preservation of fresh-water fish and inland fruits and vegetables, 1784
 - preservation, symposium, 1783
 - program, review, hearing, 1975
 - selected products in Atomic Energy Commission's low-dose program, cost-benefit study, 10302
 - 6th annual AEC contractors' meeting, 5768
- hazards, guidance for control, in uranium mining, 17761
- high intensity—
 - heat source capable of sustained operation, 5215
 - radiation dosimetry measured with SEMIRAD (secondary-electron mixed-radiation dosimeters), 4219A
- irradiation—
 - charge storage effects in mylar from electrons, 2610
 - high-temperature, and carbonization of coal, products from, comparison, 2572
 - tensile yield strength using least number of specimens, simplified method measures changes, 16879
 - thyroid irradiation, pathological effects, 11629
- isotopes and radiation technology, quarterly technical progress review, 3449
- Japanese Association for Radiation Research on Polymers, annual report, 5758
- later somatic effects, 10308
- mass transfer by sublimation from snow-surface subjected to irradiation, 4198
- microbial inhibition systems employing radiation (MISER), 8908
- monitoring, programmed instruction book, 15973
- nuclear and X-ray, use in helicopter close-order formation keeping system, final report, 5771
- nuclear, used to investigate mechanisms of superconductivity, 9830
- optical radiations and water vapor, effect on trapping spectrum sulfide, 14455
- pasteurization—
 - Gulf shellfish, 13341
 - Pacific crab and flounder, 13348
- processed wood-plastic composites, industrial evaluation, 5780
- radiation heat transfer, heat-and-mass-transfer characteristics of nuclear rocket employing, 14497

Radiation—Continued

- radiation transport and biological effects, special sessions, proceedings, 13314
- reactions to bacterial antigens after irradiation, USSR study, 9665
- safe structures, construction investigated, USSR study, 6523
- safety considerations in preparation of license applications, 15957
- secondary, in radiographic inspection, method prevents, 17998
- sensitivity of structural steels, metallurgical variables as possible factors controlling, initial evaluations, 5357
- separation technique provides rapid quantitative determination of cesium-137 in irradiated nuclear fuel, 12845
- shielding—
 - applied to nuclear defense planning, analysis and design principles, 4384
 - from fallout gamma radiation, designing shelter in new buildings, 7530
- shipboard irradiator studies, annual report, 5791
- shock-layer, from molecular band systems in proposed planetary atmospheres, predictions, 6890
- situation, Beloyarskaya atomic electric power station area, USSR, 15406
- soft corpuscular study by lunar satellite Luna-10, USSR, 1263
- source arrangement for low-exposure-rate total-body irradiation facility for man, 13338
- space radiation biology, 10317
- space radiation equivalence for permanent damage to transistors, 14380
- spatial distribution of reactor radiation around horizontal channel of KA reactor, at Vinca, Yugoslavian study, 6479
- spatially extended sources, point-source detection system rejects target, 6784
- spectral energy distribution of unfiltered X-rays from 250 kV constant potential machine, 1789
- techniques, radiochemical analysis, 2746
- technology, basic studies, 8905
- technology, postharvest procedures as means of extending shelf life of fruits and vegetables, 5792
- TIROS VII data, synoptic world weather analysis, 12922
- transient, and conduction in slotted slab and hollow cylinder, 17941
- ultralow frequency, radiation at 2 conjugate points, USSR study, 4953
- your body and radiation, 7445
- see also Alpha particles—Beta rays—Black body—Bremsstrahlung radiation—Gamma rays—Heat transfer—Infrared rays—Ionizing radiation—Radiation detection instruments—Radioactivity—Spectra—Thermal radiation—Ultraviolet rays.
- Radiation biology, see Radiobiology.
- Radiation Center, Oregon State University, dedication (remarks), 17407
- Radiation detection instruments:
 - pyroelectric detection techniques and materials, 5159
 - scintillation survey meter, point source detection, 1787
 - see also Dosimeters—Proportional counters.
- Radiation environment, see Environment.
- Radiation illness, prophylaxis and treatment, problems, Rumanian study, 4931
- Radiation monitoring:
 - film badge services, standards of performance, 10047
 - personal monitoring, comparison of thermoluminescent dosimetry systems with film badges, 8399

INDEX 1967

- Radiation Physics Laboratory, National Bureau of Standards, general information, 2741
- Radiation sickness, *see* Radiation illness.
- Radiation target cans, irradiation capsule technology, developments, International symposium, 8903
- Radiative capture, *see* Neutron radiative capture.
- Radiators, cast-iron, standard of trade, 1524
- Radiators (aircraft):
 - diode-lens controlled waveguide slot radiators, feasibility study, 9812
 - finned, internally and externally, for Brayton cycles in space, exploratory study, 8405
 - multitube, centrally finned, potassium condensing radiator, experimental steady-state performance, 18052
 - straight-finned, weight optimization, design procedure, 6781
- Radicals, *see* Free radicals.
- Radio:
 - publications, price list, 1562
 - radio science (periodical), 3803
 - radio science, Journal of research, National Bureau of Standards, 2736
 - world atlas of atmospheric radio refractivity, 4747
- Radio announcers, examination announcement, 7537
- Radio apparatus and appliances:
 - AN/GRC-27A radio, electronics technician trainee's guide, 11666
 - AN/SRC-20, AN/SRC-21 radio sets, electronics technicians trainee's guide, 8582
 - commercial two-way equipment, savings available by purchasing rather than leasing, Defense Dept., GAO report, 4882
 - see also* name of apparatus or appliance.
- Radio astronomy, radiometric boresighting by sequential lobing, 18055
- Radio broadcast technicians, examination announcement, 7537
- Radio broadcasting:
 - agreement with Mexico, 11852
 - applications, FCC, 3269
 - broadcast actions, reports, 3269
 - call signs, new or modified, FCC reports, 3269
 - emergency broadcast system, basic plan, 14016, 17450
 - experimental auxiliary, and special services, FCC rules and regulations, 3273
 - facilities, agreement with Philippines, 1638
 - public broadcasting act of 1967—
 - hearings, 10824, 13710
 - reports, 10756, 14980, 16245
 - services, FCC rules and regulations, 3273
 - Soviet materials on arms control and disarmament (periodical), 3888
 - weather aids—
 - Atlantic and Mediterranean area, 1540, 9975, 14581
 - Pacific and Indian Oceans area, 2772, 8573, 11648, 17076
 - see also* Radio stations.
- Radio chemistry, *see* Radiochemistry.
- Radio communication:
 - amateur radio service, FCC rules and regulations, 3276, 4761
 - amateur stations, communications on behalf of 3d parties, agreement with—
 - Argentina, 13152
 - Uruguay, 5545
 - applications, FCC, 3269
 - aviation, public safety, industrial, and land transportation services, FCC rules and regulations, 3275
 - Browanian motion as route to statistical mechanics and to quantum communication theory, 8597
 - citizens radio service, FCC rules and regulations, 3276, 4761
 - Radio communication—Continued
 - deep and/or rapid fading phenomena in strictly line-of-sight UHF/SHF propagation, 6225
 - disaster communications service, FCC rules and regulations, 4761
 - domestic, public services, FCC rules and regulations, 3277
 - experimental services, FCC rules and regulations, 3272
 - fading statistics on 212-km line-of-sight overwater radio path at 1760 MHz, 6224
 - FM modulation of CW laser beam, 6710
 - industrial, scientific, and medical services, FCC rules and regulations, 3272
 - international fixed public services, FCC rules and regulations, 3277
 - line-of-sight systems, CC TM technical manual, 7377
 - partial revision of radio regulations, Geneva 1959, with additional protocol—
 - report, 13726
 - text, 7772
 - predictions and projections of election results, effects—
 - hearings, 16400
 - report, 15143
 - safety and special radio services, FCC applications and actions, 3269
 - selection of optimal working frequencies, Soviet research, 6518
 - treaty matters, FCC rules and regulations, 3272
 - tropospheric radio duct meteorology at VHF and UHF in theory and as observed on trip around world, 1551
 - Radio direction finding, principles, USSR study, 6577
 - Radio engineering:
 - engineering-installation standards manual, 4667
 - line-of-sight systems, CC TM technical manual, 7377
 - Radio equipment, *see* Radio apparatus and appliances.
 - Radio frequencies:
 - allocations, FCC rules and regulations, 3272
 - devices, FCC rules and regulations, 3272
 - high frequency ionospheric telecommunications systems, statistical performances, indexes, predicting, 2223
 - induction heating of low-pressure plasmas, 18035
 - management, Army field manual, 1759
 - mechanical device accurately measures RF phase differences in VHF or UHF ranges, 6848
 - optimal working communication, Soviet research, 6518
 - standard services provided by NBS stations WWV, WWVH, WWVB, and WWVL, 12979
 - Radio frequency modulation:
 - FM modulation of CW laser beam, 6710
 - maximum utilization of FM subcarrier bandwidth, 9992
 - threshold reduction techniques study, 6716
 - Radio in navigation:
 - aids—
 - Atlantic and Mediterranean area, 5336, 9974, 11646, 14580, 18102
 - Pacific and Indian Oceans area, 7006, 11647, 17075
 - Radio operators:
 - amateur, alien, agreement authorizing operation in U.S. and—
 - Argentina, 13151
 - El Salvador, 17242
 - France, 2897
 - Honduras, 15773
 - Kuwait, 2901
 - Netherlands, 8740

Radio operators—Continued
 amateur, alien—continued
 New Zealand, 17232
 Nicaragua, 7159
 Norway, 15784
 Panama, 7188
 Switzerland, 15776
 Trinidad and Tobago, 15774
 commercial, FCC rules and regulations, 3271
 radioman 1 & C, Navy training course, 7022
 radiotelephone 3d class operator permit, examination, study guide and reference material, 4762
 transmitter and receiver, examination announcement, 7537
 Radio programs, *see* Radio broadcasting.
 Radio propagation, *see* Radio waves.
 Radio ranges, *see* Omnilranges.
 Radio receivers, *see* Receivers (radio).
 Radio reflectors, gratings and networks of aluminum ribbons as radio reflectors, 16902
 Radio services, *see* Radio communication.
 Radio sets, *see* Radio apparatus and appliances.
 Radio signals:
 antipodal region of radio station NPM, Hawaii, airborne field measurements, results, 5345
 attenuation data, deduction of reentry plasma properties about manned orbital spacecraft, 14494
 cross modulation in Scamp signal processor, 9990
 earth's magnetic field influence on back-scattered signal, computations, USSR study, 6575
 overwater radio path at 1760 MHz, fading statistics on 212-km line-of-sight, 6224
 PM or FM, threshold reduction techniques study, 6716
 Radio Standards Laboratory, general information, 18078
 Radio stations:
 amateur—
 alien, agreement authorizing to operate in U.S. and
 Argentina, 13151
 El Salvador, 17242
 France, 2897
 Honduras, 15773
 Kuwait, 2901
 Netherlands, 8740
 New Zealand, 17232
 Nicaragua, 7159
 Norway, 15784
 Panama, 7188
 Switzerland, 15776
 Trinidad and Tobago, 15774
 communications on behalf of 3d parties, agreement with—
 Argentina, 13152
 Uruguay, 5545
 permit operation by participants in 1967 Boy Scout world jamboree—
 law, 13538
 reports, 12368, 13665
 field relay techniques, Army field manual, 5729
 maritime services on land, shipboard, etc., FCC rules and regulations, 3274
 NPM, Hawaii, antipodal region, airborne field measurements results, 5345
 observing and interpreting results of studying fields of radio broadcasting stations, method, 9625
 require furnishing of free time to candidates for public office, hearings, 16400
 telecommunication, pre-sunrise operation of certain standard (AM) radio broadcasting stations, agreement with Canada, 15780

Radio stations—Continued
 WWV, WWVH, WWVB, WWVL, standard frequency and time services provided by NBS, 12979
 Radio telephone operators, *see* Radio operators.
 Radio telescopes:
 construction of new radiotelescope completed at Serpukhov, USSR article, 8255
 effects of atmosphere on characteristics of maximum-size radiotelescopes, USSR study, 5012
 orbiting, 1500-meter, feasibility, 11414
 Radio-TV packet, FDA (periodical), 3804
 Radio waves:
 continuous wave detector has wide frequency range, 17994
 diffraction, vector integral equation, 7935
 propagation—
 antipodal region of radio station NPM, Hawaii, airborne field measurements, results, 5345
 at 5 GHz in Europe, comparison of predictions and measurements for various types of paths, 6223
 in earth-ionosphere waveguide channel, long and superlong, 17873
 line of sight UHF/SHF, deep and/or rapid fading phenomena aspects, 6225
 short-range radio prediction services, USSR manual, 14237
 UHF, in troposphere, 6508
 USSR studies, 4939, 9649
 tropospheric radio duct meteorology at VHF and UHF in theory and as observed on trip around world, 1551
 Radioactivation analysis:
 activation analysis, report, 2746
 automated activation analysis, 5785
 charged particle activation analysis, 1793
 neutron activation analysis traces copper artifacts to geographical point of origin, 8388
 Radioactive pebble bed chemical reactor system, *see* Reactors (atomic).
 Radioactive substances:
 low-level radioactive waste containers in accident environment, investigation, 8909
 radioactive materials, international traffic, 7432
 see also names of radioactive minerals, etc.
 Radioactive waste disposal:
 International Atomic Energy Agency symposium, 16747
 porous permeable rock for nuclear waste disposal, 9778
 problem unsolved, Hungarian study, 12708
 processing, annotated bibliography of selected literature, 5786
 solidification and long-term storage, symposium, proceedings, 5767
 transport and disposal procedures, survey, 8909
 Radioactivity:
 AEC fallout program, quarterly summary report, appendix, 10300
 airborne, USAEC radiometric reconnaissance, maps—
 Arizona, California, Nevada, and New Mexico, 1801
 Arkansas, Colorado, Montana, Texas, and Utah, 1802
 South Dakota and Wyoming, 1803
 artificial, reference horizons in Greenland firn, 4197
 automatic sampler for collecting radioactive particulates in ground level air, 1788
 Cluj city area, Rumania, effects on vegetation, studies, 1299
 contamination, radiotoxicological aspects, Rumanian study, 2464
 fallout—
 characteristics from deeply buried nuclear detonation, 7426

Radioactivity—Continued

- fallout—continued
 - distribution, characteristics, and hiotic availability, Operation Plumbbob, 1812
 - Health and Safety Laboratory program quarterly summary reports, 1785-86, 5774-75, 16058, 13324-25
 - measurement on to high polar ice sheets Antarctic and Greenland cores, 17374
 - northern regions, 14794
 - protected schools, pictorial reviews, 5917, 16058
 - underground explosion, condition of formation, 1268
- fallout shelters—
 - architectural, engineering, and consulting firms with certified analysts, directory, 13424
 - dual-purpose designs receiving awards in Brooklyn competition, 7529
 - how are labor union members affected, 4383
 - HUD aids for shelters, 12625
 - improving protection in home basements, evaluating techniques, 5765
 - management handbook, 5916
 - national design competition, community center, awards, 16050
 - national survey, instructions, 15226
 - nuclear defense design for architects and engineers courses, announcement, 16053
 - policy resolutions of AFL-CIO, 1903, 17452
 - programmed orientation to civil defense, 13430
 - protection for homes with basements, handbook, 13425
 - shelter design and analysis, radiation shielding, 14847
 - shelter management, textbooks, 16057
- filter pack technique for classifying radioactive aerosols by particle size, final report, 10017
- method for determination of surface areas, 6702
- natural environment radioactivity from radon 22, 17140
- nuclear facilities, routine surveillance, report, 7065
- pneumatic insulation suit for protection, USSR study, 14231
- upper atmosphere, sampling by means of balloons agreements with Australia, 2923, 5538
- Radioassaying, procedures for environmental samples, 11725
- Radiobiologiya (periodical) : translation, 7418
- Radiobiology :
 - bibliographies, subject and author indexes, 13343
 - biological effects of space proton environment, estimate, 4176
 - biological interpretation of dose from accelerator-produced radiation, symposium proceedings, 15960
 - conference proceedings, 7075
 - mechanism of action of AET, protection of DNA against ionizing radiation by GED, 5713
 - problem, USSR study, 8258
 - protons effects on primates, 4179
 - radiation biology conference, proceedings, 15958
 - USSR periodical, translations, 4231-33, 7418
- Radiochemical analysis :
 - activation analysis, instrumentation, radiation techniques, and radioisotope techniques, 2746
 - radiochemical analysis of water (series), 1130, 6410
- Radiochemical Analysis Division, annual progress report, 2746

Radiochemistry :

- industrial radiation chemistry in Hungary, 14266
- plutonium, 126
- techniques—
 - activation analysis with charged particles, 1793
 - chemical yield determinations, 13331
- Radiography :
 - industrial, AEC licensing guide, 15957
 - inspection, method prevents secondary radiation, 17998
 - radiographic pattern, brightly visible, provided by thermal neutron image intensifier tube, 17921
 - requirements for cobalt-chromium alloy liners for small arms barrels, military standard, 9378
 - X-ray photos, digital computer processing, 6741
- Radioisotope submersible engine, conceptual design, final report, 5760
- Radioisotopes, *see* Isotopes.
- Radiological defense, planning and operations guide, 7528
- Radiological health, *see* Health.
- Radiological Health Division, scientific information retrieval system for research grants, 7064
- Radiological Research Laboratory, Columbia University, annual report on research project, 12009
- Radiological warfare, field CBR collective protection, Army technical manual, 5740
- Radiology :
 - dose calculations following reactor accident, fission product nuclides identification, 13349
 - radiological countermeasures ashore, 17068
 - radiological health data and reports (periodical), 3805
- Radiomen, *see* Radio operators.
- Radiometers :
 - calibration, modified blackbody device, 17995
 - radiometer-pyrometer, tech brief, 6769
 - technique for absolute temperature measurement at microwave frequencies, 17016
- Radiometric boresighting by sequential logging, 18055
- Radiometry :
 - USAC airborne reconnaissance, maps—
 - Arizona, California, Nevada, and New Mexico, 1801
 - Arkansas, Colorado, Montana, Texas, and Utah, 1802
 - South Dakota and Wyoming, 1803
- Radiosondes :
 - fission product nuclides, for radiological dose calculations following reactor accident, identification, 13349
 - standardization, bibliography, 15682
- Radios, *see* Receivers (radio).
- Radiosondes :
 - code, manual, 18253
 - dew point accuracies 40° C to -40° C, 15884
 - paper, 6913
- Radiotelescopes, *see* Radio telescopes.
- Radiotherapy, conference proceedings, 7075
- Radiotracer propellant gages, exploratory development, final report, 12016
- Radium, New Jersey cases, epidemiological follow-up, progress report, 10301
- Radon :
 - gas, useful for medical purposes, safely fixed in quartz, 6695
 - natural environmental radioactivity from radon 22, 17140
 - waters and their therapeutic uses, USSR study, 8241

- Radwan, M. A., absorption and distribution of C^{14} labeled tetramine in relation to its possible use in animal damage control, 4851
- Rafters, trussed joints, moisture cycling, 8101
- Ragsdale, Robert G.:
heat- and mass-transfer characteristics of axial-flow liquid-core nuclear rocket employing radiation heat transfer, 14497
radiant-heat-transfer liquid-core nuclear rocket engine, 18016
- Ragweed, eradication, hearings, 16303
- Raich, Peter C., artificial kidney bibliography, 11718
- Railroad accidents:
all line-haul and switching and terminal companies, summaries, 3916, 12514
investigation reports, 11238
summary and analysis, bulletin, 8230
- Railroad Adjustment Board, see National Railroad Adjustment Board.
- Railroad cars:
commuter, 5-year market forecast, 4261
equipment of class 1 railroads, 3587
heavier loading of watermelons, damage and cost reduction study, 10154
long travel shock mounts, rail impact testing, 14805
maintenance, Army technical manual, change, 8891
- Railroad employees:
benefits for railroad workers and their families, 2846
dispute with railroads
extend period under railway labor act—
laws, 9040, 10482
message from the President, 10511
reports, 9112, 9279, 10567, 10736
negotiations to ward off strike, etc., message from the President, 9074
settlement—
hearings, 10660, 10868
law, 13534
reports, 12259, 12267, 12364, 13667
status of negotiations, hearing, 9328
summary of situation, etc., message from the President, 10514
hours of service act of 1907, amend to reduce 16-hour limitation for certain employees, hearings, 4634
railway labor act, text, 5303
retirement act of 1937, etc.—
amend to provide supplemental annuities, etc., law, 413
amend to provide survivors benefits for children, age 18-21, law, 414
annuities under, adjustments, law, 414
retirement and unemployment insurance act, text as amended, 1992, 15719
retirement beneficiaries who receive social security payments, message about medicare, 15739
wage statistics, class 1 railroads, 4042
- Railroad retirement act, see Railroad employees.
- Railroad Retirement Board:
appropriations, 1967, law, 491
appropriations, 1968—
hearings, 9144, 13841
reports, 10612, 15082
monthly review, 3579
report, 1966—
departmental edition, 10072
document edition, 9053
- Railroad Safety and Service Bureau, Railroad Safety Section and Locomotive Inspection Section annual report, 11239
- Railroad Safety Section, annual report, 11239
- Railroad supplies, Federal Item Identification guides for supply cataloging, supplements, 3285
- Railroads:
carload unit costs by territories, 11237
carload waybill statistics, 1964—
mileage distribution by type of car, 6472
- Railroads—Continued
carload waybill statistics, 1964—con.
territorial distribution by type of car, 8231
traffic and revenue, territorial distribution by commodity classes, 6473
weight distribution by type of car, 8232
carload waybill statistics 1964-65, supplement, 8235
carriers, emergency board report, 9415
chemical methods of controlling vegetation on railroad beds, USSR study, 12704
class 1—
freight commodity statistics, annual report, 12656
income and balance-sheet items, 3865
 motive power and car equipment, 3587
operating revenues and expenses, 3656
revenue traffic statistics, 3832
train and yard service, 3943
computer engineering in transportation, USSR study, 1173
construction, emergency, Army technical manual, 10278
first transcontinental, medal in honor of 100th anniversary of completion, report, 13822
freight service costs, formula for use in determining, 4926
interstate commerce act, amend, hearings, 12304, 17645
James Millholland and early railroad engineering, 11602
labor-management dispute—
extend period of no change under railway labor act—
laws, 9040, 10482
message from the President, 10511
reports, 9112, 9279, 10567, 10736
negotiations to ward off strike, etc., message from the President, 9074
settlement—
hearings, 10660, 10868
law, 13534
reports, 12259, 12267, 12364, 13667
status of negotiations, hearing, 9328
summary of situation, etc., message from the President, 10514
large—
operating revenues and expenses, 3657
operating statistics, 3658
lessors and proprietary companies, 1965
transport statistics, 8236
meteorological servicing of railroad transportation, USSR study, 1182
passenger train—
abandonment, hearings, 12304
discontinuances, hearings, 948, 13854
post offices, potential savings available in manpower costs, GAO report, 6377
private car lines, 1965 transport statistics, 4929
revenue contribution by commodity and territory, developing, 8234
schedule of annual indices, revised pages, 16728
see also Railroad employees.
- Rails (birds):
hunting, possession, transportation, importation in Alaska, 1967-68, Federal regulations governing, 14061
- Railway Employees' Department, AFL-CIO, emergency board report, 9415
- Railway Express Agency, Inc.:
motor carrier accident, 6476
1965 transport statistics, 8236
- Railway labor act, see Railroad employees.
- Railways, see Railroads.
- Rain:
daily river and rainfall bulletin, Shreveport, La., area, 3179
elevation effects on rainfall near Hollis, Alaska, 16655
frequency distribution of rainfall in tropical storms, U.S. Gulf Coast (paper), 5593

INDEX 1967

Rain—Continued

- Hawaii, rainfall and streamflow from small tree-covered and fern-covered and burned watersheds, 8115
- tropical cyclone rainfall, effects on distribution of precipitation over eastern and southern United States, 15230
- see also* Precipitation.
- Rainbow Bridge National Monument, general information, 6984
- Rainfall, *see* Rain.
- Rainier (ocean survey ship): launching (remarks), 7583
- Rainier, Mount:
 - aircraft accident, 7516
 - primary microbiological succession on landslide of Alpine origin, 11119
 - volcanic hazards, 9562
- Rainy Lake, area, Chippewa Indians land tenure at beginning of 19th century, 6974
- Raising livestock on small farms, 1692
- Raisins, malathion-treated drying trays, use to protect raisins from insects during drying and storage, 15859
- Rajan, K. S., application of inorganic ion-exchange membranes to electro dialysis, 8214
- Raleigh, N.C., area wage survey, 2504
- Ralles, Homer A., low-level aircraft operational hazards, 4223
- Ralls, Jack W., composition and flavor modification of processed peas, 11917
- Ralston Buttes district, Colorado, geology and uranium deposits, 15308
- Ramey, James T.:
 - policy considerations in desalting and energy development and utilization, 15969
 - remarks—
 - May 2, 1967, 8919
 - May 25, 1967, 10313
- Ramjets and rocket-ramjet hybrid engines, nonconstant area combustion and mixing, analysis, 1478
- Ramler, James E., low-thrust orbit raising in continuous sunlight while thrusting in plane perpendicular to earth-sun line, 15567
- Rammsonde equation, *see* Equations.
- Ramos Izquierdo, Angel R., *see* Reaud, Angel.
- Rampart project, and Alaska natural resources, 12636
- Ramseler, René O.:
 - role of sintering in snow construction, 15930
 - sintering process in snow, 10257
- Ramsey, Jerry W., surface area studies of anthracite by carbon dioxide adsorption, 1412
- Ramseyer rule print of act to grant consent of Congress to acceptance of certain gifts and decorations from foreign governments, 734
- Ramseyer rule print of foreign assistance act of 1966, 733
- Ramseyer rule print of foreign assistance act of 1967, 10652
- Ran Lim Ai, *see* Lim Ai Ran.
- Ran Lim Soo, *see* Lim Soo Ran.
- Ranches:
 - increasing income through grazing associations, 1717
 - prospector, cowhand, and sodbuster, historic places associated with ranching etc., in trans-Mississippi West frontier, 13008
- Rand, A. Stanley, ecology and social organization in iguana lizard, 15602
- Rand, Robert L.:
 - addresses, etc.—
 - Apr. 12, 1967, 7961
 - Oct. 23, 1967, 17755
- Randall, Carl, foreign trade regulations of Chile, 17482

- Randall, D. L., tropospheric radio duct meteorology at VHF and UHF in theory and as observed on trip around world, 1551
- Randle CHM radar digital range-measuring instrument, 18114
- Randolph County, Ala., soil survey report, 18215
- Randolph County, W. Va.:
 - coal, preparation characteristics, 2578
 - soil survey report, 11812
- Random excitation, *see* Noise.
- Random integer dispenser, 14116
- Random processes, *see* Probabilities (mathematics).
- Randomness (mathematics):
 - generating random information for experimental decision problems, 4225
 - nonparametric tests for randomness in sequences, 5248
- Raney nickel, *see* Nickel.
- Range finders, automatic, probability of target lock-on during search, USSR study, 11283
- Rangelands:
 - and related grazing lands, national handbook, 15745
 - Blue Mountains summer range, fluctuations in forage quality, 16663
 - cattle diets on native and seeded ranges in ponderosa pine zone of Colorado, 6369
 - chemical control of range weeds, 4102
 - establishing grass range in southwest Missouri Ozarks, 14092
 - forage and range research, challenges, 14753
 - locating pairs of comparable study areas, new system developed, 11121
 - Northwest range-plant symbols, list, 14141
 - ponderosa pine-bunchgrass range in Colorado, cattle grazing effects, 14764
 - range research, progress in 17 western States, 6136
 - Santa Rita Experimental Range, center for research on improvement and management of semidesert rangelands, 2331
 - western range and livestock, monthly report, 4062
- Range-management specialists, seasonal employment information, 2524
- Ranger 'rithmetie, 2293-96, 4825, 11108
- Rankin, B. Kirk, III, grammar for component combination in Chinese characters, 5289
- Rankine cycles:
 - Dowtherm A, technology, final report, 5761
 - space power systems, electrical component technology, design studies, 15964-965, 17399
 - space 3-loop powerplant, steady-state and dynamic operating characteristics, 2603
- Ransom, Kerry E., convey property to, 10528, 17630
- Ransom, William M., convey property to, 10528, 17630
- Ransom County, N. Dak., soil survey report, 3702
- Rantz, S. E., surface-water hydrology of California coastal basins between San Francisco Bay and Eel River, 15315
- Raphael, Pedro, relief, 289
- Rapid City, S. Dak., air transportation facilities (remarks), 12097
- Rapid transit, *see* Local transit.
- Rappahannock River:
 - Salem Church Reservoir, engineer report—departmental edition, 15227
 - document edition, 15056
- Rappaport, Donald F., soil survey of Wood County, Ohio, 5517
- Rapton, Avra:
 - seasonal work patterns of hired farm working force, 984
 - supplement, 9387

- Rare earths:
additions on plain-carbon steel, effects, 6686
materials, disposal from national and supplemental stockpiles, report, 14937
minerals and metals, minerals yearbook chapter, 5123
northern New Jersey, potential resources, 6674
- Rasch, A. A., medical ethics and research, 18247
- Raspberries:
diseases, description, control, etc., 1681
growing, types, planting sites, etc., 4105
- Rasters, optical instruments, USSR, 6505
- Ratajczak, Anthony F., solar-cell space power systems using spectral dispersion, 15579
- Ratcliffe, Brenda, urban research study centers, directory, 14919
- Rates, see Air carriers—Electricity—Freight rates.
- Rating scales:
development of benchmark jobs for Air Force officer position evaluation, 5705
psychiatric, handbook, 1573
- Rating:
advancement in rate or rating, manual, Navy, 7019
change, 18107
Coast Guard, enlisted ratings qualifications manual, 14876
Navy training publications for advancement, 11667
- Rations:
breakdown point operations, Army technical manual, 15948
combat meals, rigging typical supply load for high velocity airdrop, 8889
- Ratliiff, Raymond D., locating pairs of comparable study areas, new system developed, 11121
- Rats:
behavioral changes at ground level following gestation and growth in 100% oxygen at reduced pressures, 15899
born and raised in low-pressure pure oxygen environment, energy metabolism, 5709
control and extermination, Federal assistance hearings, 10641
cystic lymphadenopathy due to Rous sarcoma virus, pathogenesis, USSR study, 6554
erythrocytes changes in rats trained to hypoxia, USSR study, 4985
extermination act of 1967, reports, 12284, 13676
nitrogen metabolism in brain under impulse accelerations, USSR study, 1167
oxygen environment, long-term effects at 210 mm. Hg absolute, 1740
plasma, effects of ionizing radiation on amino compounds concentration, 5714
urinary creatinine excretion as index of fat-free mass composition, 7415
white, prophylaxis against poisoning with sarin, Bulgarian study, 6544
- Ratte, James C., ash flows and related volcanic rocks associated with Creede caldera San Juan Mountains, Colo., 8166
- Rauner, R. M., lecture, Apr. 5-7, 1967, 7870
- Ravalli National Wildlife Refuge, birds, list, 11084
- Raw materials:
industrial—
now and in the future (address), 10333
supply outlook (remarks), 10334
program, AEC authorizing legislation, 1968, hearings, 10491
- Ray, Hilary A., Jr., Gemini escape system development and qualification, 12945
- Raymond Educational Foundation, lands in Coconino County, Ariz., conveyance to, 10525
- Rayner, Pearl C., price developments, 14304
- REA, see Rural Electrification Administration.
- REA bulletins, 1597, 7105, 10074, 17189-190, 18200
- Reaction wheels, minimum energy, control for satellite scanning celestial area, 9899
- Reactor fuel elements, solutions, analysis, 13333
- Reactor fuel rods, UO₂ fuel systems for water reactor applications, development and testing, 8902
- Reactor fuels:
cermet fuel materials, estimating thermal conductivity, 8502
development programs, summaries, 1804, 4238
dispersed particles in beryllium oxide matrix, status of development, 7421
fluid-bed fluoride volatility process recovers uranium from spent uranium alloy fuels, 9793
nuclear, irradiated, cesium-137 in, separation technique provides rapid quantitative determination, 12845
plutonium, used as nuclear fuel, determining price, USSR study, 15373
processing, quarterly technical progress review, 3806
radiant heat transfer in fuel region of gaseous nuclear rocket engine, 5183
radioisotope submersible engines, fuel specification, 1777
reactor burnable poisons, nondestructive analysis, evaluation of thermal neutron capture gamma ray techniques, 1790
reactor energy release by nonuniform fuel redistribution, experimental study, USSR, 1295
review of nuclear fuel requirements and resources (remarks), 10316
thorium, for heavy water organic cooled reactor, evaluation, 5764
three-dimensional calculation of fuel burn-up in water, cooled, water-moderated power reactors, 16740
- Reactor safety, see Safety of life.
- Reactors (atomic):
accelerator-booster, fast, pulsed research, feasibility study, final report, 13322
Army SM-1A reactor pressure vessel, radiation embrittlement, projected estimates, neutron spectral effects, 1554
axial-flow liquid-core nuclear rocket employing radiation heat transfer, heat and mass-transfer characteristics, 14497
boiling water reactors—
feasibility studies of nuclear steam supply systems with capacities up to 10,000 MWt, 17391
high power density BWR core-conceptual design, 7423
- BONUS—
boiling nuclear superheater power station, final hazards summary report, 5784
core development program, final report, 8901
brazing tungsten for high temperature nuclear service in hydrogen, 11506
built, being built or planned, U.S., 1805, 5788, 15968
- control systems—
based on counting and Campbell techniques, instrumentation program, 7422
with gaseous control system, 14485
development program, AEC authorizing legislation, 1968, hearings, 9041
Enrico Fermi, use for irradiation testing, hearing, 1972
experimental data and control, use of computers in analysis, 14808
fast breeder power development, world outlook (remarks), 10305
fast reactor program in United States, implications (remarks), 7441

Reactors (atomic)—Continued

- fast, transient response and safety in selected accidents, 5772
- Federal item identification guides for supply cataloging, supplements, 3288
- gas-cooled, fast breeder, annual progress report, 7420
- gaseous core, thermal absorption in seeded gases, 12866
- gaseous nuclear rocket fuel temperatures, local and average estimates, 16998
- heavy water organic cooled, thorium fuels, evaluation, 5764
- high flux isotope reactor (HFIR), dedication (remarks), 1815
- high-temperature reactor operation, problem, USSR, 14273
- licensing and regulation, hearings, 12184
- liquid sodium metal cooled fast breeder, fuels and materials summary report, 1811
- loss-of-flow accident, computer program predicts thermal and flow transients, 17919
- materials, quarterly technical progress review, 3807
- mathematical theory of critical state of reactors, certain problems, USSR, 15357
- neutron exposure to simulated pressure vessel wall of A 302-B steel, through-thickness notch ductility and tension properties, 17093
- power—
 - formation of transuranium isotopes, 124
 - licensing, regulations, safeguards, 10309
 - power reactor technology, quarterly technical progress review, 3697
 - pressure vessel steels, neutron embrittlement, 5356
 - exposure criteria, 5355
- prestressed concrete reactor vessel—
 - for boiling-water reactor, 13319
 - model 1, 13320
 - model 2, 13321
- radioactive pebble bed chemical reactor system, development, 12011
- reactor shielding physics, problems, 12972
- research and training reactor IR-100, USSR study, 15354
- research reactors, utilization, symposium, 1797
- simulator for nonnuclear testing of space power systems, 14487
- SM-2 research reactor, USSR operating experience, 4946
- sodium-cooled—
 - fast, feasibility study, 1702, 5778
 - USSR studies, 6527
- spatial distribution of reactor radiation around horizontal channel of RA reactor at Vinca, Yugoslavian study, 6479
- superheaters, corrosion resistance of stainless steel and nickel alloys, 9797
- three-dimensional calculation of fuel burn-up in water-cooled, water-moderated power reactors, 16740
- tungsten-reactor rocket engine, mapping as guide to operation and control, 9876
- UO₂ fuel systems for water applications, development and testing, 8902
- VULCAN (digital computer depletion program), use with independent 1-dimensional spatial calculations, 16390
- Zero Power Reactor I—
 - measurement of effective delayed neutron fraction, 2694
 - transport study of real and adjoint flux, 11535
- Read, Ralph A.:
 - effect of gibberellic acid spray on seedlings of eastern redcedar, bur oak, and red oak, 11129
 - ten-year growth of 2 sources of large grade ponderosa pine transplants in Nebraska, 2312

- Reader, Paul D., cathode durability tests in mercury electron-bombardment ion thrusters, 12960
- Render, T. D., research on non-destructive fluidic storage control device, 11409
- Readers (optical characters), *see* Optical character reader.
- Readers (tape):
 - tester automatically checks paper tape punch and reader after maintenance, 15537
- Reading:
 - early training essential, USSR study, 16775
- Instruction, financial assistance guidelines under NDEA, 13956
- national defense education act—
 - institutes for advanced study, summer 1967, handbook for directors, 1003
 - loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
- need to read and write, adult basic education leaflet, 10936
- professional, guide for Navy and Marine Corps officers, 17079
- text-workbook for success in Navy, 2778-79
- recruit's day-to-day experiences, 2780
- Reading machines, *see* Optical character reader.
- Ready Reserve, *see* Reserve components of Armed Forces.
- Reagan, John F., jr., relief, 770
- Real estate:
 - American Academy in Rome, increase amount—
 - law, 16135
 - report, 14966
 - conveyance to Florida, bearing, 2042
 - District of Columbia unsafe improvements, limitation on civil actions for damages, amend code—
 - hearing, 17596
 - report, 16295
 - excess, GSA to assume care and handling functions, report, 13794
- Federal surplus, for health, educational, and civil defense purposes, how to acquire, 12621
- Government owned, in U.S., Territories, etc., inventory report, 4540
- leased by U.S. throughout world, inventory report, 11160
- leases by Post Office Dept., extend authority—
 - hearing, 7827, 9165
 - law, 10484
 - reports, 10562, 10726
- living units, minimum property standards, interim revision, 6257
- low cost housing, minimum property standards, 1137
- minimum property standards—
 - housing for elderly and handicapped, 9582
 - low cost housing, 8201
 - multifamily housing, 11014-15
 - nursing homes, 8203
- owned by U.S., throughout world, inventory report, 6386
- property improvement loans, consumer bulletin, 8197
- real property transferred by RFC to other Govt. departments, payment in lieu of taxes, extend—
 - law, 13531
 - reports, 10606, 13793
- remove cloud on title to property owned by John Johnson, 10479, 10524, 12328
- restoration of investment credit and accelerated depreciation allowance—
 - hearing, etc., 7764, 7844
 - law, 12168
 - legislative history, 13719
 - message from the President, 9063
 - reports, 7711, 7713, 9271, 10614

Real estate—Continued

- subdivisions sold through malls and in interstate commerce, prevent frauds, hearings, 17642
- title 1, property improvement loans, consumer bulletin, 6425
- see also* Farms—Mortgages.
- Real property, *see* Real estate.
- Realistic uncertainties and mass measurement process, illustrated review, 15592
- Realities of the learning market, 9408
- Reapportionment, congressional redistricting standards, establish reports, 912, 9126, 10793, 13657, 17573
- Rear window defogger for automotive vehicles, Federal standard, 6332
- Reasoning, logic of scientific research, USSR study, 1298
- Reaud, Angel, relief, 10714, 16194
- Rebellion in Russia's Europe, fact and fiction, 12373
- Reboredo-Newhall, Alfredo, relief, 9104, 12211, 13477
- Recall (psychology):
 - arousal as factor in reminiscence, 9081
 - confidence in recall in paired-associate learning experiments, 13262
- Receipts and expenditures, *see* Finance.
- Receivers (radio):
 - home type and automobile, current industrial reports, 12072
 - change, 4323
 - home-type radios, Federal item identification guides for supply cataloging, supplements, 3292
 - superheterodyne, optical, uses laser for local oscillator, 6753
 - tubes, temporary suspension of duty report, 2028
- Recipes:
 - beef and pork, 9344
 - beef and veal, 5630
 - cheese, 9335
 - corn grits, 9340
 - cornmeal, 10876
 - cracked wheat bulgur, 9341
 - desserts, Army technical manual, 8886
 - dry beans, 9348
 - dry split peas, 9346
 - eggs, 9350
 - fancy catfish, 8025
 - fish, 9347
 - fish & shellfish, quantity amounts, 15257
 - lamb in family meals, 17319
 - let's cook fish, complete guide to fish cookery, 9515
 - meat, canned, chopped, or luncheon, 9351
 - nonfat dry milk, 9336
 - peanut butter, 9345
 - potatoes in popular ways, 15851
 - poultry, 9349
 - quantity recipes for type A school lunches, 46
 - rice, 10875
 - rolled wheat, 9343
 - seafood, low-calorie, seafood slimmers, 8026
 - whole grain or enriched breads, 9342
- Reclamation Bureau:
 - appropriations, 1967, law, 403
 - appropriations, 1968—
 - hearings, 12287, 16393
 - report, 13678
 - bibliography, 8665
 - Engineering and Research Center in Denver, 11768
 - engineering research, 1965, annual report of progress, 11775
 - equal opportunity, affirmative program of manpower, utilization, 13104
 - irrigation operation and maintenance bulletin, 3448
 - laws affecting, chronological reprint, 1595
 - library accessions, 3504
 - press releases, 3757

Reclamation Bureau—Continued

- procedures for determining irrigation benefits, GAO review, 12590
- programs, briefing session, hearings, 10655
- publications available for sale, lists, 8668, 15720
- report, 1966, statistical appendix, 8669
- project data, 8670
- research reports, 7102, 10073, 11774-775, 17181
- safety news (periodical), 3811
- Reclamation era, quarterly periodical, 3810
- Reclamation of land:
 - feasibility of proposals, Interior Dept. to investigate, reports, 12362, 16240
 - Federal laws, chronological reprint, 1595
 - Federal projects, 1966, crop report, 17179
 - statistical appendix, 17180
 - making certain Federal reclamation and Indian irrigation project expenses non-reimbursable, report, 13836
 - reclamation project data, 1596
 - rehabilitation of strip and surface mining areas, special report, 14201
 - small projects act amendments—
 - hearing, 13869
 - reports, 15081, 16233
 - water measurement manual pertaining to measurement of water for irrigation projects, 11776
 - water resource development proposals, feasibility investigations by Interior Dept. report, 2015
- Reclamation projects, *see* Reclamation of land—*also* names of projects.
- Recognition (psychology):
 - brain diseases effects on recognition capacities studied by engineers for use in computer development, USSR study, 6488
 - image recognition, USSR study, 9635
- Recombination reactions, carbon monoxide and atomic oxygen at high temperatures, 2718
- Reconnaissance (aerial):
 - radiometric, maps—
 - Arizona, California, Nevada, and New Mexico, 1801
 - Arkansas, Colorado, Montana, Texas, and Utah, 1802
 - South Dakota and Wyoming, 1803
- Reconnaissance (military), *see* Military information.
- Reconstruction, Alaska earthquake, Mar. 27, 1964, 8169
- Reconstruction Finance Corporation:
 - transfer of real property to other Govt. departments, payment in lieu of taxes, extend—
 - law, 13531
 - reports, 10606, 13793
- Record players, *see* Phonographs.
- Recorders, *see* Recording instruments.
- Recording employee injuries, 9714, 16805
- Recording instruments:
 - digital magnetic tape system for recording radar data, 17096
 - run numbering system enters data, 12918
 - strip chart recorder time notation, technique, 12912
 - ultrasonic spectrometer, sensitive recording NMR, 2744
- Recordings, *see* Sound recordings.
- Records:
 - career opportunities, State Department, world-wide assignments, 5524
 - computerized system, manipulating dates and time lapses, 72
 - documents in hands of expert, USSR study, 9624
 - employers, kept under fair labor standards act, 11899, 13179
 - Government departments, etc., disposition, reports, 705, 7695, 9102, 10553, 10577, 12260, 13628, 13649, 13677, 14958, 16241

INDEX 1967

Records—Continued

- groups in National Archives and Federal records centers, list, 17029
- intake and case recording, fact-finding report, Santa Clara County Welfare Department, San Jose, Calif., 10973
- livestock dealers, recordkeeping under packers and stockyards act, 44
- management and services, procedures, GAO guidance manual, 6374
- papers in Library of Congress—Chambers, Washington Irving, 11340
- Schurz, Carl, 8330
- production in legal proceedings, FAA regulations, 11004
- public health conference, proceedings, 11th national meeting, 18185
- retention requirements, guide, 7990
- salvage of fire and water damaged records, SBA, Minneapolis, Minn., 14165
- see also* Military records—
- names of departments, etc.—*also* subjects.

Recreation:

- boating guide, official Coast Guard basic principles, 219
- errata sheet, 4419
- classification, Library of Congress, 5086
- equipment, Federal item identification guides for supply cataloging, supplements, 3292
- facilities, development in national forests of California, personal history, 17799
- Forest Service lands in United States, use estimation, 15284
- land price escalation, report, 8603
- outdoor—
- and associated research needs for suburban forests, 7888
- conservation and outdoor recreation (remarks), 13242
- Federal areas, requiring entrance and user charges, 1967 directory, 13041
- Federal, questions and answers on Golden Eagle passport and other fees, 7030
- forest research, bibliography, 12568
- Government cooperation in building more recreation areas (address), 13208
- Government plans for greater developments near urban areas (remarks), 13238
- grants-in-aid manual, 3665, 7026-28, 13037-40
- Greenspan, crop land conversion, questions and answers, 11926
- Greenspan grants to provide more space, general information, 5672
- hazard from butt rot defect in lodgepole pine, 1093
- inventory of mountain lakes and streams, aerial photo techniques, 14128
- lighting, 10331
- new potential for cooperation, 2230
- outdoor recreation action (periodical), 3664
- packed with ideas for fun, Government publications, list, 11711
- planning for the handicapped, 17102
- research, publications, list, 13945
- research, reference catalog, 7029
- space standards, 14599
- trends, 10019
- Peace Corps, 5384
- promotional programs to create better total environment (address), 1719
- rural renewal loans for recreational development—
- law, 500
- report, 910
- tourism and recreation, state-of-the-art study, 13937
- visits, use of water-meter records to estimate, 12579

Recreation—Continued

- water resource projects, cost sharing grants, report, 16368
- see also* Boating.
- Recreation and Natural Beauty, Citizens' Advisory Committee on, *see* Citizens' Advisory Committee on Recreation and Natural Beauty.
- Recreation and Natural Beauty, President's Council on, *see* President's Council on Recreation and Natural Beauty.
- Recreation centers, FHA loans and grants for community centers, hearings, 15145
- Recreation resource specialists, *see* Recreation workers.
- Recreation workers:
- resource specialists, examination announcements, 212, 12110
- amendment, 8986
- Recreational areas and demonstration projects:
- Federal recreation areas requiring entrance and user charges, 1967 directory, 13041
- learning in action, selected issues, 2973
- Recruiting and enlistment:
- Army recruiting & career counseling journal, 3812
- Army ROTC advanced course, general information, 4210
- job satisfaction and intent to reenlist, effect of selected variables, 7370
- Navy occupations, enlisted programs handbook, 8581
- reenlistment at end of 1st term of Army service, prediction, 118
- Recrystallization:
- and preferred orientation in single-crystal and polycrystalline copper in friction studies, 8481
- chrome spinel, 9775
- effect on friction properties of metals in single-crystal and polycrystalline form, 15574
- Rectal polyps, *see* Polyps.
- Rectifiers:
- selenium, conference on production of various types, Hungary, 9634
- silicon controlled, and translators used by pulse generator produces high current pulses with fast rise and fall times, 1455
- Rectilinear accelerometer possesses self-calibration feature, 1453
- Red:
- light, effect of wavelength and band width on recovery of dark adaptation, 14318
- procion bright-red, properties as vital stain, USSR study, 14212
- Red Bird, Wyo., upper Cretaceous gastropods from Pierre shale, 8161
- Red Bird section of upper Cretaceous Pierre shale in Wyoming, 2363
- Red cedar, *see* Cedar.
- Red Creek:
- engineer report—
- departmental edition, 2218
- document edition, 2067
- Red Dane cattle, *see* Cattle.
- Red flag (Chinese periodical):
- translations, 3946
- Red is color of hurting, planning for children in hospital, 11758
- Red maple, *see* Maple.
- Red oak, *see* Oak.
- Red pine, *see* Pine.
- Red River and Valley:
- basin water quality control, engineer report—
- departmental edition, 2196-2200
- document edition, 2070-74
- Red Sea:
- expedition on board USSR research vessel, Akademik S. Vavilov, results, 15352
- lights and fog signals, lists, 5332, 9973, 14579
- maintenance of lights, agreement, 8729

Red Sea—Continued
 mydocopid ostracods, 5315
 sailing directions, 9971

Red tide:
 bibliography, 9520
 research summarized to 1964, 9520

Red Willow County, Nebr., soil survey report, 11809

Redcedar, *see* Cedar.

Redcliff, Newfoundland, leased bases area, continuing use of land adjacent, agreement with Canada, 7155

Reddy, N. M., use of self-calibrating catalytic probes to measure free-stream atom concentration in hypersonic flow, 11408

Redevelopment (city planning, etc.):
 assistance for urban planning, Federal grants available, summary, 2381
 books on urban planning, list, 4905
 building a better America, 16709
 city planning and urban studies fellowship program, appropriations, extend authority—
 law, 14910
 reports, 12360, 14945
 demonstration cities and metropolitan development act of 1966, law, 465
 summary, section-by-section analysis, legislative history, and conference report, 725
 District of Columbia, Washington Channel waterfront priority holders, amend act, reports, 895, 7700
 Federal role in urban affairs, hearings, 2117, 4640, 6111, 9316, 10841, 13865, 15157, 16413
 errata sheet, 16412
 print additional copies, report, 10789, 13650
 5-cent urban planning commemorative postage stamp—
 ceremony (address), 17110
 poster, 15646
 housing and urban development act, amend and extend, hearings, 10641
 housing and urban development notes (periodical), 3403
 hygiene problems in dwellings and hospitals, USSR conference, 5002
 laws on urban development, compilation, 12290
 local public agency letters, 3523
 low and moderate income groups, new programs in urban development, 8193
 National Capital—
 1966-2000, regional development guide, 8530
 proposed comprehensive plan, 5528
 summary, 8529
 provide cultural, international and transportation center, etc., message from the President, 7599
 redevelopment area residents program, manpower development and training, overview, 10939
 regional and area planning, EDA experience (lecture), 7870
 role of Commerce Department in urban economic revitalization (address), 16479
 small business displacements, problems under programs of public improvement, report of Attorney General, 4631
 uniform and equitable relocation policies and procedures, etc., establish, hearings, 735
 urban planning assistance program—
 project directory, 12628
 report, 3823
 urban planning, information system, 11207
 urban renewal—
 directory, 4008, 15725
 FHA mortgage insurance, consumer bulletin, 11203
 manual, 4009
 Nashville-Davidson County, metropolitan area, report, 12099

Redevelopment—Continued
 urban renewal—continued
 operations under title 1, Housing act of 1949, report, 3824
 program, 17835
 project characteristics, 15726
 urban renewal notes (periodical), 4010
 Redfern, R. E., promising candidate insecticides and acaricides evaluated at Brownsville, Tex., 13196

Redisch, William N., equilibrium analysis and its application to attitude control systems, 14439

Rediscovery of American city, address, 16716

Redmond, C. E., soil survey, Arenac County, Mich., 14654

Reduction of Nonessential Federal Expenditures Joint Committee, committee prints, 2985-86

Redundant circuits, *see* Circuits.

Redwood:
 old-growth, sound wood residue left after experimental cuttings, 14106
 silvical characteristics, 4853

Redwood National Park:
 establish—
 hearings, 15164, 17604
 report, 17624

Reed, Jack W., multiple row charge blast-wave observations at long range, 1798

Reed, John H., nomination, hearing, 10823

Reed, L. B., insects and diseases of vegetables in home garden, 10171

Reed, Louis S., independent health insurance plans, 2870, 17201

Reed, R. R., structural response with different forms of damping, 14450

Reed, Ritchie H., estimates and projections of labor force and civilian employment in U.S.S.R., 12090

Reed, Roger J., some effects of DDT on ecology of salmon streams in southeastern Alaska, 8040

Reed, Walter W., starting and managing small automatic vending business, 8679

Reed, Wilmer H., III, propeller-rotor whirl flutter, 12971

Reejhsinghani, N. S., mass transfer in capillaries and porous media, 8211

Reemployment of veterans, *see* Veterans.

Reemployment rights, *see* Government officials and employees.—Veterans.

Reenlistment, *see* Recruiting and enlistment.

Reentry into atmosphere, *see* Atmospheric entry.

Reentry of offender into community, 8791

Reentry vehicles, *see* Rockets—Spacecraft.

Reeves County, Tex., large-scale field evaluation of electric insect traps to reduce bollworm populations, 11915

Referees in bankruptcy, tenure in office, increase, hearing, 16420

Reference books, children's literature, guide to reference sources, 5085

Referendums:
 acreage-poundage referendum for burley tobacco, 5677
 flue-cured tobacco, 14758
 Refineries, *see* Petroleum refineries.

Reflection (light):
 electronic filter discriminates between true and false reflections, 9837
 uniform reflective films deposited on large surfaces, 5203

Reflection (sound), *see* Sound.

Reflectometers, special purpose, use modified Ulbricht sphere, 9863

Reflectors, process sequence produces strong, lightweight reflectors, 8449
see also Radio reflectors—Solar reflectors.

Reflexes:
 conditioned reflexes—
 and memory, mechanism, USSR studies, 5014

- Reflexes—Continued
 conditioned reflexes—continued
 changes in activities of dogs poisoned
 with sarin and soman and then treat-
 ed with penikol-5, Bulgarian study,
 6563
 effect of actinomycin 2703 on stabliza-
 tion, and transition from short-term
 to long-term memory, USSR study,
 1338
 motor, biologically dissimilar in monkeys,
 effects of cholcholitics, USSR study,
 9641
 unconditioned and conditioned, of mice in
 ontogenesis, influence of ribonuclease,
 USSR study, 5028
 Reforestation, *see* Forest planting.
 Reform of Federal Criminal Laws, National
 Commission on, *see* National Commission
 on Reform of Federal Criminal Laws.
 Reformatories, corrections, task force report,
 President's Commission on Law Enforce-
 ment and Administration of Justice,
 10031
 see also Imprisonment.
 Refraction, sound by jet flow and jet tem-
 perature, 14389
 see also Atmospheric refraction.
 Refractometers, use of sensing of H₂SO₄,
 specific gravity in lead-acid cell operation,
 18112
 Refractory materials:
 high-temperature turbine materials re-
 search, 10287
 low thermal absorption cross sections,
 vapor-pressure data extrapolated to 1000
 atmospheres, 18015
 refractories, current industrial reports,
 3170, 10358
 refractory compounds and their role in
 engineering, USSR study, 4960
 see also names of materials.
 Refractory metals, *see* Metals.
 Refresher programs for inactive professional
 nurses, guide for courses of study, 10060
 Refrigerants, octafluorocyclobutane, use in
 saline water conversion by direct freeze
 separation, 12644
 Refrigerated food trailers, *see* Trailers.
 Refrigerated storage warehouses, *see* Ware-
 houses.
 Refrigeration and refrigerating machinery:
 cryogenic refrigeration systems, Joule-
 Thomson, process, errata, 12989
 equipment—
 current industrial reports, 5853
 Federal item identification guides for
 supply cataloging, supplements, 3288
 improved cryogenic refrigeration system,
 12885
 single-engine Claude cycle as 4.2°F re-
 frigerator, 14517
 testing and rating refrigerated truck
 bodies, 17335
 see also Refrigerators.
 Refrigerator cars temperatures, relative hu-
 midity, and atmosphere composition in
 mechanically refrigerated car loaded with
 lettuce, 15825
 Refrigerators:
 clean vacuum attainment with one-watt
 refrigerator, 12930
 gravity independent vapor absorption re-
 frigerator, 14385
 Refugees:
 and escapees, problems, investigation, au-
 thorization, report, 4620
 Cuban, adjustment of status—
 law, 445
 reports, 662, 706, 909
 Cuban and others, assistance—
 appropriations, 1967, law, 405
 appropriations, 1968, hearings, 15014
 Cuban, movement to United States,
 agreement, 2903
 Refugees—Continued
 U.S. apparatus of assistance throughout
 world, hearings, 4649
 Refugees, *see* Wildlife refugees—*also* names
 of refugees.
 Refunds of taxes, *see* Tax refunds.
 Refuse:
 collection and disposal, bibliography, 8642,
 11753
 disposal, international research group
 bulletins, 2827
 national status on control of garbage-
 feeding, 3599
 see also Waste products.
 Regan, W. H., solidification and long-term
 storage of highly radioactive wastes, pro-
 ceedings, 5767
 Regato, J. A. del, conference on radiobiology
 and radiotherapy, 7075
 Regeneration (biology):
 conifers, in southeast Alaska, effects of
 slash burning, 4834
 mixed conifer clearcuttings on Apache
 National Forest, Ariz., 11126
 sand pine, shelterwood method, 9539
 seed fall and regeneration from group
 selection cut, 1st year results, 4840
 Regier, Donald W., growth in demand for
 feed grains in EEC, projection to 1970 and
 1975 in relation to consumption, 13949
 Regional air cargo workshop (periodical),
 3813
 Regional Economic Development Office, an-
 nual report, 2159
 Registers:
 Air Force—
 departmental editions, 5699-5700
 document editions, 5983-84
 Army—
 departmental editions, 8896A, 10284-
 285
 document editions, 9052, 10502-503
 Army Materiel Command, approved re-
 curring reports, 1749, 7376, 11981,
 14788, 17372
 Army National Guard, 11598
 blind persons in D.C., establish report,
 16382
 civil aircraft, United States, 7953, 17749
 Coast Guard, 7560
 Coast Guard Reserve, 7559
 Communist organizations, amend internal
 security act, report, 16290
 Federal register, 3311
 codification guide, list of CFR sections
 affected, 3312
 index, 3313
 Hill-Burton projects, 3398, 8633, 18169
 microform masters, 2530
 Military Academy, West Point, 11350
 National Driver State records ex-
 change service, 18087
 Naval Academy, Annapolis, 15617
 Navy and Marine Corps officers—
 departmental edition, 11662
 document edition, 10501
 Navy and Marine Corps retired officers,
 1546
 papers in Library of Congress—
 Chambers, Washington Irving, 11340
 Schurz, Carl, 8330
 shellfish production areas, 7078
 State Department, biographic, 14670
 Registration, *see* subjects.
 Regression (statistics):
 diamond drilling, analysis, 2584
 fitting surfaces to assay and other three-
 dimensional data by quadratic-regression
 analysis, computer method, 2580
 multivariate regression equations devel-
 oped for predicting volumes in Hawaii
 hardwoods, 8084
 nonlinear regression and principle of last
 squares, 6681

Regulations, *see* Code of Federal regulations—also names of departments, etc., issuing regulations—also subjects.

Regulators, optimal attitude, for spinning space station, design method, 6894
see also Electric current regulators.

Regulatory agencies, *see* Government offices.

Regulatory announcement, Fish and Wildlife Service, 1080, 14061, 16623

Rehabilitating the narcotic addict, 13175

Rehabilitation:
housing, HUD programs, report, 17643
urban, financial institutions (remarks), 16590

Rehabilitation Certificates, Exemplary, *see* Exemplary Rehabilitation Certificates.

Rehabilitation counselors, *see* Counselors.

Rehabilitation of criminals:
corrections, task force report, President's Commission on Law Enforcement and Administration of Justice, 10031
reentry of offender into community, 8791

Rehabilitation of the disabled:
blind, new life through vocational rehabilitation, 17184
characteristics and trends of clients rehabilitated, 1962-66, statistics, 8784
coordinator's scorecard, review of what's new in placement of handicapped, 8990
cost-benefit analysis of vocational rehabilitation, exploratory, 18196
elementary nursing care, 1571
facilities and sheltered workshops, standards, 10129
heart disease, cancer, stroke, characteristics of clients rehabilitated in State vocational rehabilitation agencies, 7221
help through vocational rehabilitation, 17182
impact of returning disabled Vietnam veteran (remarks), 18143
international programs (remarks), 11705
mentally restored, interviewing guide for employment counselors, 10944
opportunities for the hard of hearing and the deaf through vocational rehabilitation, 1662
problems of severely handicapped (remarks), 11700
rehabilitation agency and community work, source book for professional training, 7222
rehabilitation counselor, medicine and medical practice, survey, instructor's manual, 10128
rehabilitation record (periodical), 3818, 17185
rehabilitation service series, 11892-893
research and demonstration projects approved, 10130
sheltered workshops, pathway to regular employment, 6593
target rehabilitation, social security disability program, what professional people who work with the disabled should know, 2862

vocational—
help for the mentally retarded, 13174
information for persons disabled in military service, 2966
new grant programs, progress report, 5589
staff, guidelines for organization and operation of vocational evaluation units, training guide, 11892
State agencies, caseload statistics, 5588
State divisions, directory, 7220
State salary, ranges, 4808, 11194
training methods, staff, 11893

vocational rehabilitation act, amendments of 1967—
hearings, 15172, 17600
law, 16144
reports, 14972, 16366
6 steps forward, 17186

Rehabilitation of the disabled—Con.
vocational rehabilitation act compilation, 4653
workshop for Baptists on deafness and rehabilitation, University of Tennessee, 2968

Rehder, Harald A., valid zoological names of Portland catalogue, 8546

Reichenacker, W. J., NASA contributions to metals joining, 6738

Reid, J. Christopher, research in instructional television and film, 9409

Reid, J. David, making household fabrics flame resistant, 10177

Reid, Tommie, Job Corps staff newsletter, 3454

Reid, Warren R., public papers of Lyndon B. Johnson, 2256

Reid, William J., Jr.:
control of caterpillars on commercial cabbage, etc., 15847
pickleworm, how to control it on cucumber, squash, etc., 4116

Reinforced concrete, *see* Concrete.

Reinforcements, fibrous reinforcements for space applications, 11418

Reinforcing role of States in education, 13961

Reinsurance, Federal program to protect employees under private pension plans, establish, hearing, 950

Reischauer, Edwin O., statement, 6099

Reisen sie in eine neue welt der kuche, besuchen sie die USA, 17278

Reiss, Albert J., Jr., crime and law enforcement in major metropolitan areas, 13060

Relampagos, Gloria A., relief, 286, 548

Relativity (physics):
special relativity, how to understand, 13346

Relay I radiation experiment, 1482

Relays, *see* Electric relays.

Release devices, controlled, prevents damage from dynamic stresses, 6790

Releases, *see* name of office issuing releases.

Reliability (mechanical):
analytical technique permits comparison of reliability of alternate mechanical designs, 15491
Apollo applications reliability and quality assurance program plan, 11393
bionics and reliability, USSR study, 11251
complex technical systems, USSR study, 12743
design review for space systems, 14405
diode reliability prediction technique, 6720
earth satellites, effectiveness of systems tests, 2697
NASA, evaluation of reliability programs, 8442
reliability abstracts and technical reviews (periodical), 9930
screening of semiconductor and integrated circuit devices for high reliability, 9800

Relief work:
disaster—
communications, FCC rules and regulations, 3276
Federal assistance, guide, 7919
groups in disaster (paper), 10049
relief act of 1965, law, 473
relief, status of funds, report, 7603

Religions:
Communist exploitation of religion, hearing, print additional copies, report, 12371
religion and mental health, 1960-64, bibliography, 11719
South Vietnam, faith and fact, 14587

Religious articles, importation, customs information, 7841

Religious education, teaching in Armed Forces, Protestant religious education program, 17706

INDEX 1967

- Religious liberty, enforcement of 1st amendment to the Constitution, report, 10729
- Relocation, see Eminent domain—Plants (industrial).
- Relocation (housing), see Redevelopment (city planning, etc.).
- Remote control:
 - computer program determines performance efficiency of remote measuring systems, 2638
 - head-controlled TV system high-quality remote image, 16887
 - high pressure valve, remotely operated, protects personnel testing spacecraft systems, 15551
- Remote sensors, see Sensors.
- Rempfer, Paul S., design method for optimal attitude regulator for spinning space station, 6894
- Renal diseases, see Kidneys.
- Rendezvous (space):
 - advanced antenna techniques for rendezvous radar, study, 11403
 - lunar mission, abort guidance, manual technique with concentric-flight-plan rendezvous, 14481
 - lunar module, sextant navigation measurements, analysis, 6903
 - rendezvous and docking, space vehicle flight control systems, analysis and design, 12874
- RONDOLU/PRESTO, program for mission trajectory optimization, 5179
- Renegotiation, see Government contracts.
- Renegotiation act of 1951, see Government contracts.
- Renegotiation Board:
 - annual report, 7104
 - appropriations, 1968—
 - hearings, 9145, 15147
 - reports, 10600, 15131
 - bulletins, 11777, 13105-110, 15722-723
 - regulations, 18197-198
 - rulings and bulletins—
 - index, 15721
 - table of citations, 15724
- Reno, Pa., underground combustion oil-recovery experiments in Venango second sand, Reno pool, Venango County, 11372
- Rensselaer Polytechnic Institute, linear accelerator, use in plasma oscillations, experiment, 12870
- Rent:
 - shares of crop as payment in farm operations, 7223
 - supplement—
 - assistance, FHA regulations, 1048
 - help for tenants, 12623
 - program, assistance to elderly, effects, hearings, 13838
 - program for low-income families, general information, 4900, 6422
 - proposals, how to develop, guide for sponsors and housing owners, 6424, 11200
 - your farm rent determination problem, 17311
- Rental housing, see Housing.
- Reorganization of Government activities, see Government reorganization plans.
- Repair parts:
 - aircraft—
 - Army Dept. management at depots in U.S., GAO review, 9555
 - certification procedures, Federal aviation regulations, 6238, 10988
 - procurement for outfitting aircraft carriers, potential savings, Navy Dept., GAO report, 8136
 - certification procedures for products and parts, Federal aviation regulations, 10987
 - packaging and packing procedures, military standard, 16468
 - Repair parts—Continued
 - savings by eliminating low-cost, low-demand space parts from defense supply system, Navy Dept. and Defense Supply Agency, GAO report, 17815
 - Repair shops:
 - equipment, Federal item identification guides for supply cataloging, supplements, 3287
 - specialized equipment, industrial plant equipment handbook, 7852
 - Repair stations, see Aircraft repair stations.
 - Repairing, see subjects.
 - Repairmen, see Mechanics (persons).
 - Repas, David S., voltage distortion effects of SNAP-8 alternator speed controller and alternator performance results, 12950
 - Repellents, see Insect repellents.
 - Repenning, Charles A., subfamilies and genera of Soriidae, 14173
 - Replacing a zipper, 7288
 - Reporters and reporting, Pravda reviewer comments on 1966, USSR study, 5006
 - Reports:
 - government research and development reports, program, availability, etc., 5294, 14520
 - new technology reporting to NASA—
 - management guidelines, 1418
 - reportable items under new technology clause, 5279
 - preparing contractor reports for NASA, data presentation, 1443
 - reports to be made in Congress, list, 4485
 - see also names of departments, etc., issuing reports—also subjects.
 - Reproduction:
 - expanded model, economic computations, USSR book, 16734
 - yellow-poplar softwood cuttings, short-term storage, 11131
 - Republic Aviation Corporation, Farmingdale, Long Island, post layoff labor market experiences of former workers, 5719
 - Republic of China, see China.
 - Republic of Korea, see Korea.
 - Republic of Nigeria, see Nigeria.
 - Republic of South Africa, see South Africa.
 - Republic of Vietnam, see Vietnam.
 - Republic quadrangle, Wash. geology, 16682
 - Republican Party, report, 89th Congress, 2d session, supplement, 4572
 - Request oriented information selection program, 8506
 - Requirements for electing union officers, 8286
 - Requisitions:
 - MILSTRIP, military standard requisitioning and issue procedures, manual—
 - changes, 6153, 15199
 - supplements, 4679, 6152, 16472
 - requisition fund codes, MILSTRIP, 16473
 - Rescue equipment and appliances:
 - aircraft, fire and rescue truck, 1,000-gallon, guide specification, 10246
 - Federal item identification guides for supply cataloging supplements, 3287
 - Rescue operations, see Rescue work.
 - Rescue work:
 - manual for rescue divers, USSR, 6503
 - national search and rescue manual, amendment, 12124
 - rescue breathing, infants and small children, general information, 5461
 - Reseal program in commercial storage, hearings, 10627
 - Research:
 - Academy of Sciences, Ukrainian SSR, organization of comprehensive research, 15399
 - cooperative research to improve nation's schools, report, 16510
 - external research paper, 7144
 - Federal research and development programs, decisionmaking process, report, 15001

Research—Continued

Federal research & development reports.
Government-wide index, 3381
National Institute of Allergy and Infectious Diseases, role of collaborative research program, 8649
naval, reviews (periodical), 3607
research activities, USSR need cited, 2428
research and development—
congressional concern, bibliography, 4641
federally financed, investigation and study, authorization, report, 6075
funds equitable distribution among States by Government agencies, hearings, 10839
geographical distribution, of Federal funds, 13012
Government reports, abstracts, etc., 3984
Government-wide index, 3381
management and marginal employee, personnel practices, etc., 2242
resources, funds and manpower in U.S., national patterns, 14562
small business pooling, 5496
review of selected Government research and development reports, 2742
symposium, 17163
see also Legal research—Military research—Scientific research—also names of departments, etc., doing research—also subjects.
Research analysts, operations, examination announcement, 10430
Research and development reports, Atomic Energy Commission, 122-129, 1774-1812, 4231-38, 5755-95, 7417-33, 8901-11, 10297-304, 12000-19, 13313-349, 14808-809, 15958-969, 17390-400
Research and development series, Army, 4210A
Research and statistics notes, 1607, 2866-67, 5514-16, 7129-32, 8659-90, 10086, 11798-799, 17198-202, 18208
Research Bureau, Education Office, support for research and related activities, description, 6193
Research Conference in Pulmonary Diseases, transactions, 13172
Research Conference on Patterns of Living and Housing of Middle-aged and Older People, proceedings, 14634
Research foresters, see Foresters.
Research information digest, recent publications of southeastern Forest Experiment Station, 11109
Research laboratories, Federal research equipment, better management, procurement, and utilization, hearing, 15028
see also names of laboratories or places where located.
Research notes, Forest Service, 1088-93, 2297-2326, 4826-45, 6365-70, 8059-99, 9533-40, 11110-131, 12570-583, 14087-122, 15281-286, 16654-660, 17801-804
Research papers, Forest Service, 1094-98, 2327-34, 4846-56, 6371, 8100-20, 9541-44, 11132-141, 12584, 14123-145, 16661-664, 17805-806
Research profiles, National Institute of Neurological Diseases and Blindness, 18175-183
Research reactors, see Reactors (atomic).
Research reports:
Cold Regions Research and Engineering Laboratory, 97, 1754, 4196-97, 5725-7378-80, 8878, 10255-258, 11982-13290-292, 14792, 15930, 17374-376
Fish and Wildlife Service, 11090, 17783
Lake Survey, 12776, 16833

Research reports—Continued

National Cancer Institute, 15708
price lists, selective bibliography of Government reports, list, 1933
Reclamation Bureau, 7102, 10073, 11774-775, 17181
Social Security Administration, 1608, 2868-70, 13119-120, 17293
Research review (periodical), 16478
Research Services Division, NII, services in 1966, record of achievement, 10046
Reserve components of Armed Forces:
construction appropriations, 1967, law, 457
construction appropriations, 1968, hearings, 16305
deceased members of National Guard and Ready Reserve, furnishing uniform, and presentation of flag of United States, report, 16229
enlisted members of Army, etc., credit inactive Reserve service in computing retired pay, report, 16270
facilities, construction authorization, 1967, report, 623
facilities, construction authorization, 1968—
hearings, 13695, 16395, 17637
law, 17555
reports, 13684, 13688, 16284, 16371
job rights, key answers for employers, etc., 14714
personnel, training, equipment, and readiness status, subcommittee report, 2107
physicians' appointment and residency consideration program, information bulletin, 12441
Reserve forces bill of rights and vitalization act—
hearings, 6030, 17640
reports, 658, 6012
Reserve Officers Training Corps, Air Force, do you measure up to Air Force ROTC, recruiting information, 15885
Reserve Officers Training Corps, Army:
advanced course, general information, 4210
junior ROTC—
manual, 17385
training today for leadership tomorrow, 4193
manual, 1766, 17385
Reserve Officers' Training Corps, Navy, Naval Junior ROTC, fall 1967 bulletin, 11659
Reservoirs:
Columbia River basin, storage in major power reservoirs, monthly report, 3907
evaporation control, effects of monolayers on insects, etc., 7102
oil—
Cut Bank field, Mont., characteristics, 8376
permeability curves of concern to engineers, 14360
water-drive, recovery of additional oil, 2574
outlet works, Howard Hanson Dam, Green River, Wash., hydraulic model investigation, 2201
Pacific Northwest, month end storage in major reservoirs, 3907
Pahrump Valley, hydrology of valley-fill and carbonate-rock, 14178
petroleum and natural gas, gravimetric effects on mass properties of sedimentary rocks, 12608
small, hydrologic effects in Sandstone Creek watershed, Beckham and Roger Mills Counties, western Oklahoma, 2376

Reservoirs—Continued
 United States, 4895
see also names of reservoirs.

Residences, *see* Houses.

Resident physicians, *see* Physicians.

Resident youth worker for duty in Job Corps conservation centers, 12111

Residential construction, *see* Building.

Residual magnetism holds solenoid armature in desired position, 8464

Resins:
 epoxy—
 glass-epoxy fabricated plates, compressive behavior, 9895
 microparticle and fiber reinforcement, 5352
 photosensitive filler minimizes internal stresses, 14429
 infrared spectra, related polymeric materials (elastomers), 15636
 m-aminobenzyl amine (MABA), syntheses, properties, and uses, 9989
 materials, U.S. production and sales, preliminary report, 3699
 phenolic carbon composite, nondegraded and thermally degraded, thermal and mechanical properties, 16917
 resin fraction from various low-temperature tar pitches, characterization, 6632
 synthetic, primer for coal-tar enamel, 10073
see also Adhesives—Naval stores.

Resistance, *see* Electric resistance.

Resistance heating releases structural adhesive, 8469A

Resistors, *see* Electric resistors.

Resolutions:
 digest, 3206
 history, 3132
see also Law—Senate bills.

Resonance:
 damper reduces effects on force transducer, 5216
 frequency, natural shift, 2745
 resonance type machine, for high temperature vacuum fatigue testing of type 316 stainless steel and Inconel X, 11676
 tungsten resonance absorption integrals, determination by activation, 18012
see also Electric resonance—Electron spin resonance—Nuclear magnetic resonance.

Resonance capture, *see* Neutrons.

Resonance integrals, *see* Neutrons.

Resonant frequency can be adjusted on vibration mount, 6829

Resonators, cavity resonator formed by region between earth and lower ionosphere, model, 2225

Resort areas, climatic summaries, 12478

Resource bulletins, Forest Service, 2335-39, 4857-60, 8121-24, 14146, 15290, 16665-666, 17807-809

Resource management system, procedures manual, class I installations, 7384

Resource publication (series), 1081, 2280-81, 4808, 6356, 8033-34, 12548, 15267, 16624-626, 17784-785

Resources, *see* Natural resources.

Respiration:
 bedrest effect on circulatory response to Valsalva maneuver, 2595
 breathing in flight, the higher you fly the less air in the sky, 8920
 breathing under high ambient pressure, 12792
 forces deforming rib cage, 10238
 head lettuce in low oxygen atmospheres, market quality and rate of respiration, 10180
 indirect calorimetry in low pressure environment, 11957
 measurement of total body hemoglobin by bloodless techniques, 10232
 normal young adults at 3475 and 4300 meters, 5753

Respiration—Continued
 oxygen breathing effects upon night vision thresholds, 11347
 oxygen-helium atmosphere—
 56-day exposure study, 92
 observations, 80
 physiological protective efficiency of civil aviation oxygen equipment, techniques for evaluating, development, 15979
 prototype airborne respiration analyzer, feasibility testing, etc., 8425
 rate, development of transducers for aircraft environments, 18044
 rescue breathing, infants and small children, general information, 5461
 variations in process during gamma radiation of plant tissue, 8511
 what should coastronauts breathe? USSR study, 5019

Respiratory system, reactions of crewmen during Voskhod-2 orbital flight, 6555

Response functions:
 human operator response speed, frequency, and flexibility, review, analysis and device demonstration, 16904
 normal response, functions calculation time, computer program reduces, 11446

Responsible conduct and American economy, today and 10 years from now, 2956

Rest:
 bedrest—
 effect on physiological function, 2595
 effects of muscular exercises and intermittent venous occlusion as possible preventive of cardiovascular deconditioning after bed recumbency, study, 8408
 hypoxic, effects of lower body negative pressure on physiologic changes after 4 weeks, 7346
 prolonged effects of 9-alpha-fluorohydrocortisone and venous occlusive cuffs on orthostatic deconditioning of, 7365
 prolonged, long-term lower body negative pressure, influence on circulatory function of man, 1734
 prolonged, metabolic effects of prolonged bed rest, their modification by simulated altitude, 14777
 short-term, effect on plasma volume and catecholamine response to tilting, 7345
 man during early exposure to high altitude, cardiopulmonary responses, 7413

Restaurants, lunchrooms, etc.:
 employees under fair labor standards act as amended, 7225
 school lunchrooms, work injuries and accident causes, 14282

Rester, D. H., electron scattering and bremsstrahlung cross-section measurements, 9811

Restivo, Guiseppeina, *see* Bellizia, Josephine A.

Restos, Marina P., relief, 795, 19548, 13520, 12758

Restraint apparatus:
 aircraft, basic systems, functional comparison, 17413
 Army fixed-wing cargo restraint design criteria analysis, 10289
 internal, development for integrated restraint-pressure suit system, 6727
 shoulder installation in general aviation aircraft, recommendations, 7446

Retail prices, *see* Prices.

Retail stores, *see* Stores.

Retail trade:
 Azerbaydzhan SSR, retail store networks, problems, 1171
 census of business, 1963—
 area statistics, 10339-340
 bound volume, 151
 gasoline service stations and liquefied petroleum (LP) gas dealers, 4270
 leased departments, 5816

Retail trade—Continued

- census of business, 1968—continued
- major retail centers, area statistics, bound volume, 1832
- retail and wholesale cooperatives, 5817
- subject reports, bound volumes, 5818, 5830-31, 10341
- continuing review, Census Bureau surveys, announcement and order form, 1884
- current retail trade reports, 3172
- annual sales, inventories, etc., 17439
- employee earnings and hours—
 - June 1965, 8302
 - June 1966, 11332
- minimum wage and maximum hours, study to measure effects of 1961 amendments, 5591
- operating costs and ratios, bibliography, 5493
- retail and service enterprises and establishments under fair labor standards act as amended, 8788
- see also Salesmen and salesmanship—also names of commodities and industries.
- Retailers, encourage your low-income customers to take part in food stamp program, 17330
- Retainers, see Ball-bearing retainers.
- Retaining walls, reinforced concrete, cantilever and counterfort types, typical plans 18194
- Retina, burns from low-yield nuclear detonations, threshold distances, 69
- Retired officers, etc., see Armed Forces.
- Retired pay, see Pensions.
- Retirement:
 - age requirement, lower for former Light-house Service employees, report, 12251
 - benefits under OASDHI, comparison with prices and wages, 1966 experience, 8690
 - District of Columbia teachers on full annuity at age 55, amend act, report, 14992
 - foreign affairs agencies, information for prospective retirees, 8721
 - measuring early retirement, revision of benefit awards series, 17198
 - planning for the later years, 18207
 - program, build your own with savings bonds, 5481
 - public employee systems, benefits and beneficiaries, 11798
 - social security benefits—
 - information, 10085
 - rights and responsibilities of recipients, 7133
 - social security increases, reduction of benefits—
 - hearings, 10798
 - report, 15144
 - State and local government systems—
 - covering employees also covered by Federal old-age, survivors, disability and health insurance program, survey, 2868
 - 1965-66, finances, 7492
 - see also Armed Forces—Civil service pensions—Judges—Pensions—Railroad employees.
- Retirement and disability fund, see Civil service pensions.
- Retirement insurance, see Old age, survivors, and disability insurance.
- Rettle, Dwight F., remarks, Aug. 23, 1967, 16713
- Réunion Island, labor conditions, 5077
- Reuss, Henry S., food for progress in Latin America, 13701
- Reuss, Max L., Jr., conjugate-pair feed systems, 5360
- Revenue:
 - agent, career in professional accounting, IRS, 1147
 - carload waybill statistics, 1964, territorial distribution, traffic and revenue by commodity classes, 6473

Revenue—Continued

- District of Columbia Federal payment authorization and borrowing authority act of 1967, hearings, 10646
- rail revenue contribution by commodity and territory, 8234
- revenue sharing and its alternatives, what future for fiscal federalism? 13546
- hearings, 16149
- see also Internal revenue—also names of articles, etc., from which revenue is derived.
- Revenue officer, 2409
- Revenues and classes of post offices, 5390
- Revetments, see Shore protection.
- Review essay, evolution of an economist, 6616
- Revision and Codification Subcommittee, Judiciary Committee, Senate, resumé of activities, report, 10743
- Revolution, 1775-83, naval documents of American Revolution, American theatre, Sept. 3-Dec. 7, 1775, European theatre, Aug. 11-Oct. 31, 1775, 2773
- Revolutionary War, see Revolution, 1775-83.
- Revolutions, world revolutionary process, USSR study, 12715
- Revolvers, use and care, 17116
- Revolving funds:
 - Guam development fund, establish, report, 15134
 - Indian loan fund, amend law, reports, 642, 15116
- Rewards (prizes, etc.):
 - America's airport beautification awards program, 17741
 - awards and recognition of President's Committee on Employment of the Handicapped, 1355
 - candidates for state prizes, USSR, 11282
 - college architecture design awards, 7904
 - designs for higher education facilities, 7894
 - excellence in national public service (remarks), 2950
 - fallout shelter designs receiving awards in Brooklyn competition, 7529
 - Housing and Urban Development Department honor awards for design excellence, 16710
 - John E. Fogarty Public Personnel Award, presentation to Morris Leonhard (remarks), 17125
 - Latvia State prize candidates in science and production, USSR announcement, 12683
 - national fallout shelter design competition, community center, awards, 16060
 - National Guard Association trophy, Pershing trophy, National Guard (State) trophy, announcement of winners, 14522
 - National Institute of Mental Health, graduate and undergraduate training, 7066
 - Navy and Marine Corps, ribbons of decorations and awards (poster), 11663
 - presidential award, new youth fitness test norms, 5408
 - President's Committee on Employment of the Handicapped, awards program at a glance, 1356
 - President's E award for export excellence, presentation to—
 - A. R. Wood Manufacturing Co., (remarks), 4448
 - Dole Company (remarks), 7295
 - Panelfab International (remarks), 1949
 - York-Shipley, Inc. (remarks), 4447
 - recognition and awards program, FAA handbook, 4754
 - True Davis on accepting Americanism award from veterans of foreign wars (remarks), 15810

INDEX 1967

- Rewards—(prizes, etc.)—Continued
 urban development intergovernmental
 awards program, 14187
- Reyes, Robert J.:
 electrochemical carbon dioxide sensor,
 17354
 electrochemical technique for measuring
 carbon dioxide content of blood, 10243
- Reynolds, James J., nomination, hearing,
 7823
- Reynolds, R. R., 1966 harvest, Crossett farm
 forestry forties, 8098
- Reynolds, Thaine W., free-molecule flow and
 surface diffusion through slots and tubes,
 summary, 8508
- Reynolds number:
 and flow incidence effects on force charac-
 teristics of family of flat-front cylinders,
 9903
 evaluation of radial-inflow turbine over
 range of Reynolds number, 6881
 forces on sphere moving steadily along
 circular path in viscous fluid, 10258
 performance evaluation of turbine over
 range of Reynolds number, 6871
- RF, *see* Radio frequencies.
- RF inductor has high Q, is stable at higher
 temperatures, 9861
- RFC, *see* Reconstruction Finance Corpora-
 tion.
- Rh factor, *see* Blood.
- Rheita, LAC 114, lunar chart, 4167
- Rhenium:
 deposition of rhenium and rhenium-tungsten
 by thermochemical reduction of
 hexafluorides, 9767
 dislocation structures in slightly strained
 tungsten-rhenium alloys, 14486
 single-crystal and polycrystalline, friction
 characteristics in vacuum, 9912
 tungsten alloys, lower-cost, 5208
- Rheonismometers:
 duty-free entry for—
 Northwestern University, 617, 7653,
 14889, 16357
 Princeton University, 618, 7651, 14885,
 16354
 Tufts University, 7647, 13775, 14901
- Rheumatism, arthritis and rheumatic dis-
 eases abstracts, 3945
- Rheumatoid arthritis, mycoplasma relation-
 ship, conference proceedings, 2823
- Rhizomes, distribution in different soil types,
 Pine Barrens, New Jersey, 6408
- Rhode, John E., digital codes for design and
 evaluation of convectively cooled rocket
 nozzle with application to nuclear-type
 rocket, 5269
- Rhode Island:
 area measurement report, 8929
 census of agriculture, 1964, State and
 county statistics, 5904
 census of manufactures, 1963, area sta-
 tistics, 164
 census of mineral industries, 1963, area
 statistics, 5840
 county business patterns, 12060
 errata, 14823
 electric rate book, 11024
 landings, fish and shellfish, 3836, 12542
 mineral industry, minerals yearbook chap-
 ter, 1403
 war on poverty, examination, hearings,
 13788
- Rhodes, Cecil A., relief, 7616, 12317, 13471
- Rhodesia:
 labor conditions, 1288
 mineral industry, minerals yearbook
 chapter, 12806
- Southern—
 and United Nations, U.S. position, 8720
 Rhodesian transaction, regulations and
 related documents, 11885
 trade, etc., message from the President,
 9055
- Rhodium, sliding friction, 15578
- Rhubarb:
 packaged, storage and shelf life, 5645
 production, outdoors and in, 10174
- Rhyacionia, *see* Tip moths.
- Rhyolite, grades in compositionally zoned
 ash-flow sheet in southern Nevada, 1120
- Rib cage, forces deforming, 10238
- Ribbons, gratings and networks of aluminum
 ribbons as radio reflectors, 16902
see also Service ribbons.
- Ribbons for typewriters, cotton cloth, Tariff
 Commission reports, 2942, 10110
- Ribonuclease, influence on reflexes of mice in
 ontogenesis, USSR study, 5028
- Ribonucleic acid:
 masked form of messenger RNA, USSR
 study, 6539
 tobacco mosaic virus, problem of possi-
 bility of infecting animal cells, USSR
 study, 6486
- Ricardo, O. G. S., displacements of thin-
 walled cylinder, 17947
- Ricci, Robert C., present and future state of
 the art in guidance computer memories,
 18049
- Ricciardi, Constantine A., stereoscopic angle
 and its relationship to standard Air Force
 tests for depth perception, 70
- Ricciuti, Edward R., animals in atomic re-
 search, 15977
- Ricciuti, Robert A., industrial heating equip-
 ment industry, 10330
- Rice, J. Wade:
 advertising, retail store, 5494
 furniture retailing, bibliography, 15732
- Rice:
 acreage allotments—
 certain producers, etc., reports, 9101,
 10571
 1967 crop year, hearings, 9140
 California stocks and movement report,
 3074
 foreign agriculture circulars, 3345
 good choice for thrifty family, food value,
 use, recipes, 10875
 market news, 3837
 supplement, rough rice receipts, 3838
 market summary, 1966, 2135
 marketing excess, delivery to Commodity
 Credit Corporation, report, 16369
 rough, costs of drying and storing in
 Louisiana and Texas, 15864
 situation, 4706
 southern, inspected for export, 2885
- Rich, Leslie, It's fun to yell bravo, Lincoln
 Center's student program opens new world
 to teenagers, 12465
- Rich, Marvin A., conference on murine
 leukemia, 1583
- Richard, Herbert L., atmospheric transmis-
 sion of infrared radiation from 2-5 mi-
 crons for slant paths from 35,000 ft. to
 upper limit of atmosphere, survey, 12931
- Richardson, Harry L., small gas turbine en-
 gine accessory technology, 10291
- Richardson, John L., mass transfer proper-
 ties of saline water systems, 2393
- Richardson, P. D., transient radiation and
 conduction in slotted slab and hollow
 cylinder, 17941
- Richey, Everett O., threshold distances for
 retinal burns from low-yield nuclear deto-
 nations, 69
- Richland County, N. Dak., soil survey report,
 8702
- Richmond, Joseph C., procedures for precise
 determination of thermal radiation prop-
 erties, 6921
- Richmond, Va., area wage survey, 8304
- Richmond National Battlefield Park, gen-
 eral information, 2758, 8560
- Richwine, Mrs. M. M., relief, 7658 13788,
 14905
- Rickenbacker, Edward V., Tony Jannus
 award (address), 4308

Ricketts' organism, fluorescent antibodies for rickettsia detection, USSR study, 12666
 Rickettsia prowazekii, *see* Ricketts' organism.
 Riekover, Hyman G., testimony, 10630
 Riddick, Floyd M.:
 classification of United States Senators, 762
 enactment of law, procedural steps in legislative process, 13720
 Rieckmann, R. E., panel attachment mechanisms suitable for refurbishable panel application, 5160
 Riedinger, A., acid mine water reverse osmosis test at Kittanning, Pa., 4915
 Riely, Phyllis E., effect of diet and atmosphere on intestinal and skin flora, 2613
 Ries, John E., livestock and meat industry of Mexico, 8048
 Rietz, Raymond C., presurfacing green oak lumber to reduce surface checking, 2301
 Riffand, Madeline, Communist reporter, reports her visit to North Vietnam, 1294
 Rifles:
 Army, procurement and distribution program—
 hearing, 10807
 report, 10810
 M-16 program—
 hearings, 17590
 subcommittee report, 17591
 Riga, Latvia, travel to, Finnish brochure, 15429
 Rigby, Malcolm, NODC quarterly accessions, computer produced indexes, 3636
 Rigdon, Dorothy, rehabilitation record, 17185
 Riggers, examination announcement, amdt., 203
 Rigging:
 airdrop operations, technical manuals—
 Air Force communication control vehicles, 1771, 7398
 cargo trailer, 15949
 CW-BW water pretreatment decontamination set, 10280
 howitzer, 15950
 trailer-mounted air compressors, 15951
 210 CFM Davey, trailer-mounted air compressor, 113
 typical supply loads, 8887
 weapons carrier, 10281
 gear and equipment, safe working loads, technical reference, 9733
 Rights and responsibilities of recipients of social security retirement or survivor benefits, 7133
 Rights and responsibilities of those who receive special payments, 15740
 Rights of privacy, *see* Privacy.
 Rights-of-way, *see* Roads and highways.
 Rigid-body motion extracted from total motion of flexible body, 9845
 Riley, Donald R., comparison of results of 2 simulations employing full-size visual cues for pilot-controlled Gemini-Agena docking, 1495
 Riley, H. L., mineral industry of Kentucky, 2555
 Riley, Kathleen E., records relating to enrollment of Eastern Cherokee, pamphlet, 18072
 Rim, Kwan, integral equation method in plane elasticity, 9819
 Rinehart, R. W., delineation of trace constituents of closed ecologic system, 7369
 Ringel, Seymour, command information processing systems, human factors research program, 119
 Ringelmann smoke chart, *see* Smoke.
 Rings:
 NOL glass-filament-wound model for testing measurement, minimization, and correlation with interlamina shear strength of microvoids in structures, 11677

Rings—Continued
 toroidal—
 pressurized, backing under uniform external loading, 15570
 prevents gas ignition at vent stack outlet, 9853
 working blade-rings of turbines, etc., friction and leakage losses, 5277
 Rio Grande and Valley, water supply outlook and snow surveys, 4045
 Rio Muni, labor conditions, 5073
 Riots:
 civil and criminal disorders, investigation, Interim report on findings, 16375
 insurance protection study availability, hearing, 16402
 long-range implications of summer disturbances in slums (remarks), 17841
 penalties for inciting, reports, 12282, 13664, 15165, 16419
 Ripening of fruit, etc., *see* names of fruits, etc.
 Riprap:
 stability under wave action, rock movement in large-scale tests, 16520
 use for bank protection, 14640
 RISE, *see* Radioisotope submersible engine.
 Risk, international sales, buyer's or seller's assumption, Bulgarian discussion, 5013
 Ritter, Dorothy, hardware retailing, 7113
 Riva Dominguez, Ramiro de la, *see* Dominguez, Ramiro de la Riva.
 Rivers:
 aeration capacity of streams, 9570
 and harbors, flood control, omnibus bill, 1966, hearings, 751
 basin operations, institutional arrangements for managing, 17292
 basin plans, additional authorization, 1968—
 hearings, 12312, 12427
 law, 10486
 reports, 9122, 9208
 basins, clean water restoration act of 1966, pollution control and abatement, program—
 law, 12156
 text, 6340
 basins, southeastern Michigan water resources study information bulletin, 7929
 daily weather and river bulletin—
 Albuquerque, N. Mex., area, 3184
 Houston, Tex., area, 3185
 Memphis, Tenn., area, 3180
 New Orleans, La., area, 3186
 Shreveport, La., area, 3179
 doctrine for riverine operations, Marine manual, 8331
 entrenched stream systems, Harrison County, Iowa, 1722
 fish habitat characteristics of streams, technique for sampling, 17806
 flood control and multi-purpose projects—
 public works authorization—
 law, 493
 report, 698
 flood control, improvements, compilation—
 departmental edition, 1025
 document edition, 516
 measurement of peak discharge by indirect method at width contractions, 14176
 mountain streams, aerial photo techniques for recreation inventory, 14128
 national and scenic rivers system—
 hearings, 10855
 report, 15094
 Oregon streams, correlation and analysis of water-temperature, 8177
 physiographic and hydraulic studies (series), 17823

INDEX 1967

Rivers—Continued

- radiolotope gauge for monitoring suspended sediment concentration in rivers and streams, 1794
- river basin surveys papers—
 - departmental edition, 11973
 - document edition, 12193
- river-crossing operations, Army field manual, 4208
- river hydraulics (series), 1133
- roughness characteristics of natural channels, 17833
- rules concerning sailing vessels, etc., law, 468
- southeastern Alaska, DDT effects on ecology of salmon streams, 8040
- streambank rehabilitation, waterline erosion control, 14099
- streamflow from small tree-covered and fern-covered and burned watersheds, Hawaii, 8115
- streams, measurement of peak discharge by indirect method, techniques, 11184-185
- temperatures, Pacific Northwest, 3839-40
- USSR, chemical nature of organic matter in waters of major rivers, 9614
- western navigation, rules of the road, 4421
- see also* names of rivers, or places where located.
- Riverside, Calif., area wage survey, 5067
- Rivets, rivet caps and collars, Federal Item Identification guide, 15186
- RNA, *see* Ribonucleic acid.
- Road machinery:
 - machine-driving of wooden posts, way to reduce highway guardrail costs, 11138
 - maintenance equipment, Federal Item Identification guides for supply cataloging supplements, 3285
- Road to forest management, 1652
- Roads and highways:
 - access highway through Manitoba to northwest angle of Minnesota, construct, agreement with Province of Manitoba Canada, 2096
 - advance acquisition of rights-of-way study, 17611
 - approach roads, 1960-64, Greenland, 15932
 - bank protection, use of riprap, 14640
 - building Federal highway safety programs (remarks), 5959
 - code of Federal regulations, 6280
 - emergency construction at military installations, general provisions and geometric design, technical manual, 5742
 - Federal-aid highway act of 1966—
 - hearings, errata, 4656
 - report, 638
 - Federal-aid highways, needs after 1972,
 - AASHTO report, 12321
 - hearing, 12314
 - print as Senate document, report, 12370
 - Federal aid in construction, laws, compilation, 1988
 - Federal-aid highway program, remarks, 1950, 2844
 - see also* below, Interstate system.
 - Federal-State highway management practices and procedures hearings, 2055
 - flexible pavement design for roads, streets, walks, emergency construction, Army technical manual, 10277
 - freeways, District of Columbia commissioners, authority to lease air space, above, on, and below rights-of-way, hearings, 16407, 17598

Roads and highways—Continued

- Government programs, safety, beautification, etc., big job ahead (remarks), 8663
- Haines Road, winter maintenance, agreement, 17230
- highway beautification program—
 - authorizations, 1968—
 - hearings, 15174
 - reports, 15126, 16272
 - billboard removal compensation under Highway beautification act of 1965, opinion of Attorney General, 8279
 - highway beautification act of 1965, review, hearings, 12311
 - 1967 program, print as S. doc., report, 4599
 - public participation in State projects, 5477
 - report on costs and economic impact, etc., 6054
 - highway planning notes, 13100
 - highway relocation assistance study, 16340
 - highway research and development studies using Federal aid funds, 2845
- highway safety—
 - act of 1966, amend, report, 16377
 - act of 1966, report, 646
 - acts, 1966, implementing (remarks), 7567
 - construction requirements, Federal projects, 5473
 - national uniform standards for State programs, 13555
 - Operation 66, joint engineering-enforcement project report, 1594
 - program, 1968 authorizations, hearings, 15174
 - safety and beauty programs, message from the President, 5992
 - standards, report from Transportation Dept., 15048
 - uniform performance standards (remarks), 4453
- highway trust fund, financial condition and operations, annual report, 9059
- highways and human values, 1966 annual report, Public Roads Bureau, 5474
- supplement, 7101
- interstate system—
 - frontage road near Billings, Mont., justification, Public Roads Bureau, GAO review, 2348
 - location, etc., in metropolitan areas, GAO report, 15299
 - rights-of-way costs, withheld reimbursements, District of Columbia Government, GAO review, 12593
 - toll facilities relationship—
 - hearings, print additional copies, report, 643
 - report, 14989
 - logging road for BLM's Tillamook project, analysis of 2 standards, 11118
 - machine-driving of wooden posts, way to reduce highway guardrail costs, 11138
 - maintenance, engineered performance standards, handbook, 11625
 - overtaking and passing on 2-lane rural highways, literature review, 14641
 - Pan American highway network (remarks), 239
 - public roads, journal of highway research (periodical), 3785, 10071
 - publications, price list, 10038
 - research and development in highway transportation, task and study statements of national program, 8664
 - retaining walls, reinforced concrete, cantilever and counterfort types, typical plans, 18194
 - road inventory manual of instructions, guide, 17177
 - rock cuts, presplitting, controlled blasting technique, 5476
 - scenic roads & parkways, proposed program, 7049

Roads and highways—Continued
 statistics, 11766, 13101
 wetland road crossings, drainage problems
 and timber damage, 14097
see also names of roads or highways.

Roane County, W. Va., William Kaufman
 lease Clover-Rush Run oilfield, reservoir
 study, 14347

Roback, R., rocket engines using gaseous
 hydrogen, 6719

Robbins, Chandler S.:
 birds and aircraft on Midway Islands,
 1959-63 investigations, 14809
 breeding bird survey, 12550

Robbins, Otis, Jr., Flathead Lake (Mont.)
 fishery investigations, 4811

Robbins, William M., Jr.:
 feasibility of orbiting 1500-meter radio-
 telescope, 11414
 gratings and networks of ribbons as radio
 reflectors, 16902
 spinning paraboloidal tension networks,
 16903

Robert, Alice L., bacterial wilt and Stewarts
 leaf blight of corn, 5626

Roberts, Eugene, toxicologic studies of acute
 hydrazine toxicity in mice, 4183

Roberts, Jean:
 binocular visual acuity of adults, etc.,
 13099
 hearing levels of adults by race, region,
 etc., United States, 17168

Roberts, P. J., industrial evaluation of radia-
 tion processed wood-plastic composites,
 5780

Roberts, Sean C., XV-11A, description and
 preliminary flight test, 11997

Roberts, T. D., area handbook for Domini-
 can Republic, 11990

Roberts, Travis, annual report for 1966,
 cooperative fishery units, 16626

Roberts, Vendla K., bibliography of publica-
 tions by Intermountain Forest and Range
 Experiment Station on genetics and breed-
 ing of forest trees, 4827

Robertson, A. Willis, tributes on birthday
 and retirement as Senator, 2079

Robertson, Eugene C., interior of the earth,
 elementary description, 1114

Robertson, J. B., proton bombardment of
 high-purity single-crystal silicon, 11534

Robertson, J. L.:
 addresses, etc.—
 Dec. 5, 1966, 2263
 July 11, 1967, 12531

Robertson, William G.:
 man during 56-day exposure to oxygen-
 helium atmosphere, respiratory function,
 92
 man in oxygen-helium environment, res-
 piratory, 80

Robie, Richard A., selected X-ray crystallo-
 graphic data, molar volumes, and densities
 of minerals and related substances, 17818

Robinson, George B., heterodyne phase shifter
 with inductive delay line pickup provides
 stepless phase shift, 16977

Robinson, Harold, revision of genus *Harmas-
 tonia* (Diptera, Dolichopodidae), 12999

Robinson, James F., making and preserving
 apple cider, 13222

Robots:
 serve as museum guides, USSR studies,
 17867
 underwater electronic, development for
 ocean research, USSR study, 6568
 USSR studies, 8246

Roccus saxatilis, *see* Bass.

Rock Creek Park, creek and the city, urban
 pressures on natural stream, 4913

Rock Island, Ill.:
 area wage survey, 6606
 bridge across Mississippi River, recon-
 struction, etc., authorize construction of
 additional span, report, 2095

Rock Run, Ala., geology and bauxite de-
 posits, 9561

Rocket fuel, *see* Fuel.

Rocket propellants, *see* Propellants.

Rockets:
 acoustic oscillation in simulated rocket
 combustion chambers, mechanical ab-
 sorption, 5264
 acoustic prediction methods for rocket
 engines, 1422

Aerobee—
 150 propulsion failure, causes, etc., 6851
 sounding, NASA launching for 1964,
 compendium, 15554

Apollo/Saturn V replica model, design
 and fabrication considerations, 16988

atmosphere investigation, methods, 6911

axial-flow liquid-core nuclear rocket em-
 ploying radiation heat transfer, heat-
 and mass-transfer characteristics, 14497

booster, large, propellant dynamics, or
 bita investigation, 11517

clustered engines and deflected exhaust
 flow effects, 1422

cold solid propellant motor has stop-re-
 start capability, 6830

controlled release device prevents damage
 from dynamic stresses, 6790

cooling motor with injection near throat,
 6882

device measures reaction engine thrust
 vector deviations, 6804

engine asymmetric loads during tests at
 sea level, elimination, 6831

engine vibration accurately measured by
 photography, 6812

engines, storable propellant, ablative-ma-
 terial thrust chambers as components,
 evaluation, 15555

exhaust-nozzle performance, computer pro-
 gram for determining effects of chemical
 kinetics on, 15575

fluorine and fluorine-oxygen mixtures in
 rocket systems, handling and use, 11425

gaseous core nuclear rocket mixing, char-
 acteristics as for cold and arc heated
 flows, simulation, 12848

gaseous-hydrogen-liquid-oxygen combus-
 tion at supercritical chamber pressures,
 17001

gaseous nuclear engine—
 radiant heat transfer in fuel region, 5183
 temperatures, local and average fuel
 estimates, 16998

hot exhaust gases, surface heating rates
 and pressures, predicting, 6795

hydrogen-fluorine engines, regeneratively
 cooled, heat-transfer study at low cham-
 ber pressure, 17006

M-1 engine subscale injector tests, 12959

M-1 hydrogen-oxygen engine, fuel pump
 turbine, cold-air performance evalua-
 tion, 6868

meteorological research, agreement with
 Canada, 5548

meteorological rocket network firings, data
 report (periodical), 1032, 3190

near field noise, prediction, 14490

nuclear—
 cold-flow test facility, cooldown char-
 acteristics of regenerative nozzle
 used, 11500

controls analysis of engine at power
 range operating conditions, 11525

convectively cooled nozzle, design and
 evaluation, application of digital
 codes, 5269

engines using gaseous, hydrogen at stag-
 nation temperatures up to 200,000 R.
 theoretical performance, 6719

frequency response and transfer func-
 tions obtained from analog computer
 simulation, 11526

liquid core, radiant heat transfer, po-
 tential performance, 18016

Rockets—Continued

- nuclear—continued
 - mapping tungsten-reactor engine as guide to operation and control, 9876
 - tungsten water-moderated, design of regeneratively cooled nozzle, 2729
- proportional solid propellant secondary injection thrust vector control study, 2604
- ramjet and rocket-ramjet hybrid engines, nonconstant area combustion and mixing, analysis, 1478
- Saturn, matrix-Holzer analyses for fully coupled vibrations of clustered launch vehicle configurations, 5158
- Saturn V—
 - launch, far-field acoustic environmental predictions, 16981
 - manned flight to moon, NASA facts, 12878
- screech in hydrogen-oxygen rockets, acoustic liners to suppress, 6870
- single-stage sounding, static stability investigation, 12933
- slosh dynamics study in near zero gravity vehicle description, 11530
- solid control, subliming—
 - phase 1, 8412
 - phase 2, 8413
- solid propellant motors—
 - performance computer programs using group transformation method, 1483
 - structural dynamics, 2611
- sounding rocket vehicle, static stability investigation at Mach numbers from 1.50 to 4.63, 12934
- sounding, techniques (paper), 6913
- static stability, effects of jet pluming, 14467
 - ballistic bodies at Mach number of 6.00, 2691
- Trailblazer 1 reentry bodies, light-intensity data, summary, 2690
- unguided solid fuel vehicle with solar orbit, earth probe, and re-entry mission capabilities, feasibility and parametric design, 12853
- unmanned, Federal aviation regulations, 10997
- unregulated low-thrust engine, minimum time for Earth-Mars-Earth flight, USSR study, 17881
- X-258 3d-stage motor, performance on Delta 36 (OT-3), 14460
- Rockford, Ill., area wage survey, 14289
- Rockland County, N.Y., population, special census, 8949

Rocks:

- California, central, petrology of sediments underlying areas of land subsidence, 12607
- Cambrian and Ordovician, east-central Alaska, stratigraphy, 6404
- Cambrian and Precambrian of Groom district, Nev., 14169
- common types, trace elements, importance in neutron-induced radioactivity calculations, 1799
- Cretaceous and Tertiary, Corozal Quadrangle, Puerto Rico, 1112
- dielectric constants and dissipation factors for 6 types between 20 and 100 megahertz, 9765
- explosives in rock, performance, methods for studying, 5124
- gravity loaded, stresses and displacements surrounding open pit, 14356
- hydrologic and physical properties as analyzed 1948-60, summary, 8182
- low temperature reaction zones and alpine ultramafic rocks of California, Oregon and Washington, 17817
- Mono Craters quadrangle, Calif., structure and metamorphism, 4887
- outcrops, stresses, near Atlanta, Ga., 1409

Rocks—Continued

- pendulum sclerometer for surface hardness studies, 11381
- permeability curves of concern to oil reservoir engineers, 14360
- Permian units in Glass Mountains, west Texas, nomenclature, etc., 1113
- petrographic methods, use for reexamination of nonmagnetic taconite occurrences, 14346
- petrology—
 - and structure of Precambrian rocks, Central City quadrangle, Colo., 12611
 - Greenville quadrangle, Piscataquis and Somerset Counties, Maine, 16684
 - Morrison formation in Colorado Plateau region, 12613
- porous permeable, for nuclear waste disposal, 9778
- presplitting, controlled blasting technique, 5476
- pressure—
 - deep mine stress determinations using flatjack and borehole deformation methods, 6676
 - stress distribution near explosively expanded rock bolt anchors, 5126
- rock movement in large-scale tests of riprap stability under wave action, 16520
- stress—
 - determinations, anisotropic considerations, 12818
 - ellipsoid determination in rock-burst-prone area, 14351
 - use of 3-component borehole deformation gage for determining, 15481
- Upper Cretaceous and Tertiary, stratigraphy and regional tectonic implications, east-central San Juan Basin, N. Mex., 16693
 - see also Sedimentary rocks.
- Rockwell, T. H., work injuries and accident causes in concrete brick and block industry, 16813
- Rockwell-Standard Corporation, adjustment assistance case pertaining to certain workers, excerpts from Tariff Commission report to Automotive Agreement Adjustment Assistance Board, 7206, 17258
- Rocky Mountain Forest and Range Experiment Station, publications, list, 3515
- Rocky Mountain National Park, general information, 9964
- Rocky Mountains:
 - cherries, growing east of Rocky Mountains, 5628
 - southern and central, site, index table for aspen, 5628
- Rodents, ethology, with emphasis on evolution of social behavior, comparative study, 15603
- Rodgers, William, or heirs, relief, 610
- Rodgin, David W., study of man in oxygen-helium atmosphere, behavior factors, 86
- Rodin, Ervin Y., propagation of waves of finite amplitude in thermoviscous media, 1434
- Rodriguez, Antonio J. F. Senra, see Senra, Antonio J., and wife.
- Rodriguez, Gonzalo G., relief, 12352, 16214, 17515
- Rodriguez, Guillermo, relief, 574
- Rodriguez, Julio Valdes, see Valdes-Rodriguez, Julio.
- Rodriguez, Oihilo S., relief, 339
- Rodriguez, Ubaldo G. Catasus, see Catasus-Rodriguez, Ubaldo G.
- Rodriguez-Cubas, Fidel, relief, 327, 616, 870
- Rodriguez-Fernandez, Manuel, relief, 10715
- Rodriguez Perez, Ortello, relief, 535

- Rods:**
 composite weld rod corrects individual filler weaknesses, 9862
 yttrium iron garnet, study reveals new magnetostatic echo mode, 12889
see also Ground rods.
- Roe, Arthur L.:**
 procedure for forecasting western larch seed crops, 4828
 productivity indicators in western larch forests, 9535
- Roentgenograms, *see* X-rays.**
- Roentgenology, military, Army technical manual, 10279**
- Roethlisberger, Hans, ultrasonic pulse measurements in anisotropic lake ice, 1754**
- Roger Mills County, Okla., Sandstone Creek watershed, hydrologic effects of small reservoirs, 2376**
- Rogers, George B., competitive position of midwestern egg industry, 5651**
- Rogers, James F., staffing American colleges and universities, 7913**
- Rogers, John W., relief, 13732**
- Rogers, Lola E., science teaching in public junior high school, 7909**
- Rogers County, Okla., soil survey report, 1609**
- Rogerson, J. E., airborne field measurements in antipodal region of radio station NPM Hawaii, 5345**
- Rohl, G. E., effects of jet fuel anti-icing additive on fuel tank linings, 9991**
- Rohrer, Willis L., geology of Adam Weis Peak quadrangle, Hot Springs and Park Counties, Wyo., 2360**
- Rojas-Machado, Miguel A., relief, 9193, 12210, 12443**
- Rojas-Vila, Enrique A., relief, 13742, 16189, 17503**
- Roll:**
 control of jet VTOL aircraft, free-stream interference effects, 14478
 stability derivatives of variable-sweep tactical fighter model at subsonic and transonic speeds, 6887
- Roll-bar structure for automotive vehicle, Federal standard, 8333**
- Rolla Jewel Bearing Plant:**
 change name to William Langer Jewel Bearing Plant—
 law, 488
 report, 2091
- Rollag, Norman L., market potentials for frozen dough, 7277**
- Rolling mills, industry manpower survey, 17729**
- Rolston, John A., Air Force basic research in high-performance filamentary composites, 15890**
- Romania, *see* Rumania.**
- Rondinelli, Antonina, *see* Asci, Antonina R**
- Rondon Delgado, Antonio, relief, 323, 869**
- RONDOVU/PRESTO, program for rendezvous mission trajectory optimization, 5179**
- Roofers, safe work guide, 11306**
- Roofing:**
 asphalt and tar, current industrial reports, 3169, 5854
 farm buildings, general information, 13223
 thermal-shock resistance for built-up membranes, 15584
- Rooms, clean rooms and work stations**
 NASA standards for microbially controlled environment, 15522
- Roosevelt County, Mont.:**
 tribal land, transfer of title—
 law, 12166
 reports, 10579, 12361
- Roosevelt County, N. Mex., soil survey report, 11810**
- Root, Robert T., analysis of interpreter-computer reporting techniques, 7403**
- Root River, water pollution, control, etc., hearing, 738**
- Roots:**
 distribution in different soil types, Pine Barrens, New Jersey, 6408
 pruning, mahogany nursery stock, 12572
- Rope:**
 Federal item identification guides for supply cataloging, supplements, 3287
 types, selection, characteristics, etc., and preparation for use on farm, 4103
- Roper, Clyde F. E., reviews of Valybeuthidae and evaluation of its relationship with Chlortenthidae, etc., 14538**
- Roper, Willard, nomination, hearing, 16433**
- Rose, Donald J., rounding error bounds by perturbation-condition analysis, 16978**
- Rosen, Joseph S., approximate solution of Runge-Kutta equations, 15563**
- Rosenbaum, Richard C.:**
 digital computer program for trajectory optimization, 6717
 PRESTO version delta, 5178A
- RONDOVU/PRESTO, program for rendezvous mission optimization, 5179**
- Rosenberg, Ronald C., computer-aided teaching of dynamic system behavior, 62**
- Rosennecker, Charles N., power required to circulate gas-solids suspensions, 15483**
- Rosenstock, Herbert B., magnetically induced nonequilibrium electron temperatures, 9995**
- Roses, production and sales, etc., 10108**
- Roshore, Edwin C.:**
 durability and behavior of prestressed concrete beams, investigation, 9424
 freezing-and-thawing tests of concretes of various strengths and air contents, 13986
 investigation of performance of concrete and concreting materials exposed to natural weathering, 6214
- Rosin, *see* Naval stores.**
- Rosofsky, Rose G., earnings mobility of MDTA trainees, 11296**
- Ross, Donald C., stratigraphy of Paleozoic formations in Independence quadrangle, Calif., 2364**
- Ross, Jack S., feed statistics through 1966, feed grains, corn, etc., 17333**
- Ross, Reuben J., jr.:**
 calymenid and other Ordovician trilobites from Kentucky and Ohio, 16698
 Middle Ordovician brachiopods, etc., from basin ranges, 11174
- Ross, W. James, soil survey of Roosevelt County, N. Mex., 11810**
- Ross Lake National Recreation Area:**
 establish—
 hearings, 15163
 report, 17631
- Rossettos, John N., deformation of shallow spherical sandwich shells under local loading, 6895**
- Rossi, Maria, relief, 256, 859**
- Rossing, Robert G., computer solution of exponential decay or washout curves, 15594**
- Rossow, Vernon J., time-dependent structure of one-dimensional magnetic compression waves in collisionless plasmas, oblique ambient magnetic field, 11508**
- Rosters, National Cancer Institute, staff, advisory bodies, and consultants, 7089**
see also names of departments, etc., issuing rosters.
- Rostow, Eugene V., address, Sept. 11, 1967, 18232**
- Roswell, N. Mex., brackish water conversion demonstration plant, report, 16718**
- Rot, lodgepole pine butts, potential hazard in recreational areas, 1093**
see also name of rot.
- Rotation, Army manpower rotation policy, models, 7404**
- ROTC, *see* Reserve Officers' Training Corps, Navy.**

INDEX 1967

- Roth, Emanuel M.:
 space-cabin atmospheres—
 engineering tradeoffs of one-vs. 2-gas
 systems, 12879
 physiological factors of inert gases,
 9823
- Roth, J. Reece, plasma stability and Bohr-
 van Leeuwen theorem, 8495
- Roth, Rodris, floor coverings in 18th century
 America, 14530
- Roth, William M.,
 addresses, etc.—
 July 7, 1967, 14663
 Oct. 10, 1967, 18219
 Oct. 31, 1967, 18220
 nomination, hearing, 6107
- Rothe, W. E., encasement for emergency den-
 tal kit for use on space missions, 17353
- Rothermel, Richard C., fire spread charac-
 teristics determined in laboratory, 4847
- Rotocraft:
 airworthiness standards—
 normal category, Federal aviation regu-
 lations, 14003
 transport category, Federal aviation
 regulations, 4757, 12493
- Rotors:
 air loads, blade motion, and stress caused
 by transient inputs of shaft torque as
 related to stoppable rotor operation,
 13308
 comparison of flight-measured chordwise
 distributions with static 2-dimensional
 airfoil characteristics, 11502
 helicopter bladeless rotor system, struc-
 tural loads encountered, exploratory
 flight investigation and analysis, 1487
 helicopter rotor noise reduction, tip vor-
 tex core thickening, application, 4220
 hot cycle system—
 heavy lift helicopter, preliminary
 design, 10288
 tether test and teardown inspection,
 results, 7410
 hovering performance characteristics with
 and without blade-pitch servo-control
 flaps, 5260
 inlet flow conditions, use of variable-
 geometry guide vanes to control, 5275
 performance, generalized, 7411
 propeller-rotor whirl flutter, review,
 12971
 rings, high reluctance, improve homopolar
 generator performance, 5153
 rotor-bearing systems, dynamic stability,
 1439
 rotor blade of rotor entry vehicle model,
 heat-transfer measurements, 12965
 transient blade motions of rotor with
 flapping and lead-lag degrees of freedom,
 numerical method for studying, 17010
 UH-1 helicopters tail rotor, laminated
 elastomeric bearings, evaluation, 17389
- Rough Rock Demonstration School, giving
 education back to the Indians, 9400
- Roughness, *see* Land.
- Roughness characteristics of natural chan-
 nels, 17833
- Roumasset, Charles A., Negro in the West,
 15453
- Rounding error bounds by perturbation-
 condition analysis, 16978
- Rounds, Donald E., photoactivation of
 smooth muscle with ruby laser, 17362
- Rounsefell, George A., red-tide research
 summarized to 1964 including annotated
 bibliography, 9520
- Rous sarcoma virus, *see* Viruses.
- Rouse, Carl A., accurate and stable numerical
 solutions to Schrödinger equation, 17090
- Rouse, George C., vibration studies of Mon-
 ticello Dam, 17181
- Route reconnaissance and classification, 1757
- Routh, Guy, review essay, evolution of an
 economist, 6616
- Rowland, James A., platinum-group metals,
 5122
- Rowland's preliminary table of solar spec-
 trum wavelengths revision, 1522
- Rowatree, R., EXIM bank, export financing,
 6232
- Roy, Douglass F.:
 silvical characteristics—
 Monterey pine, 8113
 redwood, 4853
- Roy, John W., relief of estate, 269, 806
- Roy, Rob., system identification and pattern
 recognition, 9810
- RSFSR, *see* Russian Soviet Federated So-
 cialist Republic
- Ruark, Arthur E., how to understand
 special relativity, 13346
- Rubber:
 crystallization of natural rubber (lecture),
 9935
 infrared spectra of elastomers, 15636
 rubber-processing chemicals, production
 and sales, 15807
 supply and distribution for U.S., current
 industrial reports, 3169, 12078
 working machinery, industrial plant
 equipment handbook, 7849
- Rubber hose, *see* Hose.
- Rubenfeld, Seymour, typological approaches
 and delinquency control, status report,
 17166
- Rubeola, *see* Measles.
- Rubino, Giuseppe, relief, 540
- Rubio Madaralaga, Adela A., relief, 13750
- Ruby Lake National Wildlife Refuge, gen-
 eral information, 15261
- Ruby laser, use for photoactivation of
 smooth muscle, 17362
- Ruchwarger, Abraham, relief, 16179
- Rudduck, R. C., aperture reflection coeffi-
 cient of parallelplate waveguide by wedge
 diffraction analysis, 14382
- Rudgers, Anthony J., evaluating formulas
 describing reflection of acoustic waves by
 elastic spheres, 14594
- Rudolf, Paul O.:
 botanical and commercial range of—
 balsam fir in Lake States, 8069
 tamarack in Lake States, 8070
- Ruehle, John L., distribution of plant-parasitic
 nematodes associated with forest
 trees of world, 16645
- Rugs:
 current industrial reports, 4338, 8945,
 13393
 Wilton, Brussels, etc., Tariff Commission
 report, 15808
- Ruhe, Robert V., landscape evolution and
 soil formation in southwestern Iowa,
 14763
- Ruiz del Castillo, Antonio Martin, *see* Martin
- Ruiz del Castillo, Antonio.
- Ruiz-Montalvo, Irma S., relief, 12357
- Rule, Richard H., making basements dry,
 1698
- Rules, *see* House of Representatives—*also*
 names of courts, commissions, etc., issuing
 rules—*also* subjects.
- Rules and Administration Committee, Sen-
 ate:
 calendar, 3502
 committee print, 4659
 hearings, 961, 13884
 investigations and studies—
 privileges and elections, expenses, report,
 4611
 standing rules of Senate, authorization,
 report, 4612
 reports, 896, 916-917, 2098, 4595, 4597-
 4612, 4614-27, 6069-77, 6079-84, 9250,
 9274-76, 9278, 10741, 10781-789,
 12369-374, 13791, 13817-820, 15083,
 15098-100, 15108, 15135-142, 16362-
 363, 16359

Rules Committee, House :
 committee print, 4559
 funds, providing, report, 10582
 hearings, 752, 6042, 7754
 reports, 620-623, 630-634, 648, 651, 653-
 658, 665, 673-674, 676-677, 694-698,
 700, 2013-14, 2019, 4500, 4518-19,
 6008-9, 6013-23, 7663, 7667, 7671-72,
 7708, 7710-11, 7716-18, 9085, 9098,
 9106-7, 9109, 9116, 9123-26, 10556-
 557, 10571-572, 10575, 10598-599,
 10604, 12245-246, 12248-249, 12263-
 264, 12267, 12274, 12277, 12281,
 13636, 13642-643, 13661, 13664, 13674-
 676, 13682, 13685-688, 14951, 14954-
 956, 14959, 14964, 14973-974, 14982-
 983, 16245-247, 16256-257, 16278-
 280, 16285, 17574, 17579, 17582
 Rules of practice and rules relating to in-
 vestigations, 11783
 Rules of the road :
 Great Lakes, 221
 western rivers, 4421
 Rum, deaured, distribution and use, code
 of Federal regulations, 8222
 Rumania :
 astronomic observatory, Rumanian Acad-
 emy of Sciences, activities, 1290
 biological research, recent developments,
 9671
 Central Institute of Agricultural Research,
 activities, 1221
 children's health protection problems,
 15361
 claims of—
 American nationals, timely determina-
 tion, hearing, 12300
 inhabitants, payment, hearing, 732
 Cluj City area, radioactivity of vegetation,
 studies, 1299
 contributions to endocrinology, 14260
 cultural relations, agreement, 11869
 diplomatic courier visas, amending agree-
 ment, 15789
 endocrinology, new horizons, 14216
 Fundulea Agricultural Research Institute,
 activities, 10th anniversary, 9612
 geological operations, planning, financing,
 and performance, 11252
 health situation, 1240
 higher education for scientific research,
 role, 14223
 mathematical statistical center activities,
 1195
 mineral industry, minerals yearbook
 chapter, 6665
 National Congress on Stomatology, pro-
 ceedings, 12732
 pharmaceutical development, 15391
 principle of prophylaxis in health pro-
 tection, 1160
 scientific information and documentation,
 dissemination described, 14222
 scientific research, economic efficiency of,
 15381
 2d National Symposium on Genetics, meet-
 ings, 12703
 Socialist Republic Council of Ministers,
 decision on planning, financing, and
 execution of geological work, 12735
 study mission report, 7809
 Union of Medical Science Societies, con-
 ference results reported, 14274
 Rumker LAC 23, lunar chart, 10226
 Run numbering system for use with data
 recorders, 12918
 Runge-Kutta method, *see* Equations.
 Runningawayness, 8045
 Runoff, exposure and logging effect on, 9537
 Runways (aeronautics) :
 high intensity lighting system, 12499
 snow construction, role of sintering, 15930
 Rupes Altai, LAC 96, lunar chart, 7322
 Ruppert, John A., refining iron-contaminated
 zinc by filtration and centrifugation, 5125

Rural communities :
 build new rural America (remarks), 13239
 career opportunities, career with Farmers
 Home Administration in building new
 rural America, 1036
 civil defense, knowledge for survival,
 Federal Extension Service program,
 3463
 consumer expenditure and income 1960-
 61—
 rural farms, tables, 2522
 rural nonfarm areas, tables, 2493
 total urban and rural, tables, 2494
 cooperatives and rural-urban balance
 (remarks), 13220
 Farmers Home Administration strength-
 ens, 5670
 Interlocal governmental cooperation, study
 of 5 States, 13942
 issue of rural development, communities of
 tomorrow (address), 4108
 need for rural-urban balance (address),
 7280
 rental & co-op housing loans, 10194
 rural opportunities, war on poverty
 (periodical), 3842
 rural people in American economy, 983
 rural poor, aspirations and expectations,
 guide to research, 17710
 rural poverty, hearings before National
 Advisory Commission on Rural Poverty,
 15668, 17126-127
 small towns and rural groups, Oklahoma,
 financial assistance for water systems
 and waste disposal systems, questions
 and answers, 7945
 statistical summary, rural areas develop-
 ment and area redevelopment, quarterly
 progress report, 3903
 VISTA serves rural America, 6168
see also Country life.
 Rural Community Development Service,
 appropriations, 1968, hearings, 10629
 Rural conditions, *see* Country life.
 Rural development program :
 Asia, hearings, 7745, 13705
 community development district act of
 1966, planning of public services, etc.,
 report, 622
 community development district act of
 1967, planning of public services, etc.,
 report, 10748
 industrialization in Ozarks, case study,
 17711
 issue of rural development, communities
 of tomorrow (address), 4108
 newsletter, 3841
 Project Seesaw, beginning for rural dis-
 advantaged in Louisiana, 8284
 rural youth clubs around world, handbook
 for developing programs, 16570
 Rural Electric Bank :
 establish—
 hearings, 10625
 report, 13659
 Rural electricity, *see* Electricity.
 Rural Electrification Administration :
 annual report, 11778
 appropriations, 1968, hearings, 10629,
 12397
 materials acceptable on—
 electrification systems, list, 3512
 telephone systems, list, 3513
 REA borrowers—
 electrification systems, materials ac-
 ceptable for use, list, 8672, 17187
 energy purchased, 1966, report, 10074
 telephone systems, list of materials ac-
 ceptable, 13111
 REA bulletins, 1597, 7105, 10074, 17189-
 190, 18200
 REA programs, financing, supplemental,
 hearings, 938
 statistical bulletin, quarterly, 3800-1

INDEX 1967

- Rural Electrification Administration—Con.
statistical report—
rural electrification borrowers, 18199
rural telephone borrowers, 2819
- Rural families, *see* Families.
Rural housing, *see* Housing.
Rural life, *see* Country life.
Rural mail carriers, *see* Mail carriers.
Rural population, potential supply and replacement of rural males of labor force age, 1721
Rural poverty, *see* Poverty.
Rural Poverty, National Advisory Commission on, *see* National Advisory Commission on Rural Poverty.
Rural redevelopment:
renewal authority under Bankhead-Jones farm tenant act, broaden—
law, 500
report, 910
statistical summary, rural areas development and area redevelopment, quarterly progress report, 3903
Rural social science, *see* Sociology.
Rural Telephone Bank:
establish—
hearings, 10625, 17585
report, 13659
Rural telephone programs, *see* Telephone.
Rural workers, *see* Farm labor.
Rural youth, *see* Youth.
Rural zoning, why and how, 15838
Rush-Bagot Agreement Days:
designate, Apr. 28–29, 1967—
law, 10481
report, 9290
Rusk, Dean:
addresses, etc.—
Aug. 25, 1966, 1628
Sept. 21, 1966, 1629
Oct. 12, 1966, 2882
discussion from news conference, Oct. 12, 1967, 18229
Rusk, Willard H., relief, 16176
Russell, Charles M., National Wildlife Range, *see* Charles M. Russell National Wildlife Range.
Russell, G. M., market information on electronic products in Australia, 16105
Russell, Graham, hollow cathode plasma penetration study, 2612
Russell, Harold, remarks, Sept. 27, 1967, 17125
Russell, Joe L., Negro's occupational progress, 16829
Russell Cave National Monument, general information, 5326
Russfield, Agnes B., tumors of endocrine glands and secondary sex organs, 2841
Russia, *see* Union of Soviet Socialist Republics.
Russian accessions, Library of Congress monthly index, 3575
Russian language, USAFI study guide, 974
Russian River:
flood control, etc., engineer report—
departmental edition, 4737
document edition, 4476
Russian Soviet Federated Socialist Republic:
oncological service, improving, 2477
public education, USSR study, 12761
Russo, Michael, area vocational schools, 4707
Rust (plant diseases), *see* Fusiform rust—
Limb rust—Sweetfern blister rust.
Rutabagas, production, 4111
Ruth, William M., address, Oct. 5, 1967, 18218
Ruthenium, sliding friction, 15578
Ruzicka, Jerome E., damping of structural composites with viscoelastic shear-damping mechanisms, 6728
Rwanda:
background notes, 15760
Burundi boundary, study, 1632
labor conditions, 8320
B legend, FDA manual for pharmacists, 6360
Ryan, Elizabeth, request oriented information selection program, 8506
Ryan, J. Patrick:
gold, 6634
silver, 2589
Ryan, Margaret F., psychology, bibliography, 11950
Ryan, Michael J., indirect calorimetry in low pressure environments, 11957
Rye:
crop production, 2938
futures—
commitments of traders, 3112
trading and open contracts, 3368
Ryerson, C. M., diode reliability prediction technique, 6720
Ryker, Russell A.:
herbicides fail to insure success of brush-field prescribed burn, 6366
thinning and fertilizing increase growth in western white pine seed production area, 6367
Rynearson, Garn A.:
mineral industry of—
Brazil, 16857
British Guiana, 14330
Surinam, 8366
Ryukyu Islands:
appropriations, 1967, law, 405
appropriations, 1968, hearings, 15014
bibliography, 10267
economic and social development, increase appropriations—
hearings, 16309
report, 16281
military personnel of U.S. Army ordered to helpful hints, DA pamphlet, 7388
- S**
- S.A.M., *see* School of Aerospace Medicine.
S.B.A., *see* Small Business Administration.
S.C.S., *see* Soil Conservation Service.
S.E.C., *see* Securities and Exchange Commission.
Saad, George J., relief, 544
Sanfield, F. H., gas-chromatographic-mass spectrometric methods of analysis, 13033
Saari, J. M., isothermal and isophotic atlas of moon contours through lunation, 16894
Sabghir, Aaron, construction review, monthly industry report, 3139
Sabo, J. J., scientific information retrieval system for research grants, Division of Radiological Health, 7064
Sabotage, laws, compilation, 1987
Sac and Fox Indians:
judgment funds, disposition—
law, 16136
reports, 14950, 15119
Sackley, Arthur, long-term trends in urban teachers' compensation, 5080
Sacks, Alvin H., aerodynamics of slender wing-body combinations exhibiting leading-edge separation, 8415
Sacks, *see* Bags.
Sacramento Valley Canal unit, *see* Central Valley project.
Sacramento Valley National Wildlife Refuge, and others in area, mammals, list, 8030
Safe lifting, 6601
Safety at sea, *see* Safety of life.
Safety equipment and appliances:
construction safety requirements, Federal highway projects, 5473
door latches and hinges for automotive vehicles, Federal standard, 6319
safety in industry, instructor outline, personnel protective equipment, 8298
Safety in the air, *see* Safety of life.
Safety inspectors, examination announcement, amdt., 1915

Safety of Air Navigation in Africa and Madagascar Agency, air transport services for United States Government aircraft, agreement, 15781

Safety of life:

aerospace maintenance safety, 2992
air safety—
aerospace safety (periodical), 2993
aircraft basic restraint systems, functional comparison, 17413
civil aviation (remarks), 18092
decompression hazards in small pressurized aircraft, 17414
emergency evacuation tests of crashed L-1649, 10321
emergency procedures over water, 3016
low-level operational hazards, 4223
naval aviation safety review, 3036
night flying of helicopters over mountains, guidance systems tested, 8089
shoulder restraint installation in general aviation aircraft, recommendations, 7446
violation investigation and reporting, FAA handbook, 2233
AMC safety manual, 14789, 15929
Army Security Agency command safety program manual, 15934
at sea, disclosure of and upgrading safety standards—
hearings, 744
law, 481
at sea, international convention, 1960, amendments—
report, 7773
text, 6062
at sea, rectification to certain annexes to convention between U.S. and other governments, 15792
atomic energy program—
fast reactor transient response and safety in selected accidents, 5772
fission product nuclides, identification for radiological dose calculations, following reactor accident, 13349
licensing of power reactors, 10309
low-level radioactive waste containers in accident environment, investigation, 8909
nuclear criticality safety, attitudes, past and future (remarks), 1813
routine surveillance of radioactivity around nuclear facilities, 7065
child protection act of 1966—
hearings, 2112
law, 466
Coast Guard Auxiliary examination program, courtesy examiners handbook, 5947
conducting job hazard analysis, 16799
construction industry work guides, 11302-306
construction of radiation-safe structures investigated, USSR study, 6523
construction safety requirements, Federal highway projects, 5473
critical parameters of fissionable materials systems, and nuclear safety, USSR book excerpts, 15408
development of safety movement, industrial revolution, early legislation, etc., 9698, 16809
drownproofing can save your life, 1718
drug safety, hearings, 2047
print additional copies, report, 644
electrostatic hazards in fluid system, test instrumentation for evaluating, 11474
elements of safety program, occupational safety aid, 9699, 16800
environmental aspects of hospital, safety fundamentals, 15690
families on guard against accidents, 18163
farmers' checklist for pesticide safety, 5668

Safety of life—Continued

farms, National Safety Week, keep your sights on safety, safe use of firearms, facts, 10187
FDA's life protection series, 9522-23, 12561-562, 15272
Federal Fire Council film library, list, 14164
Federal item identification guides for supply cataloging, supplements, 3287
fire research and safety act of 1967—
hearings, 10825, 13715
reports, 14934, 15103, 16257
general requirements, Army Engineers Corps manual, 10956
good housekeeping for successful safety program, occupational safety aid, 12766, 16801
highway safety—
act of 1966—
amend, report, 16377
report, 646
action program, 3 phases of control for safety (address), 4423
everybody's business (remarks), 5475
legislation, 89th Congress (remarks), 1952
national uniform standards for State programs, 13555
Operation 66, joint engineering-enforcement project report, study, 1594
overtaking and passing on 2-lane rural highways, 14641
program, 1968, authorizations, hearings, 15174
program standards, reports, 14524, 15048
State program (remarks), 1963
transition (remarks), 1940
what can be done about its many problems (remarks), 5959
how safe is our food? 9523
hurricane safety rules, 16534
ILO recommendations concerning conditions of employment of young persons in underground mines, 16160
industrial safe practices—
drill presses, 9726
electrical equipment, 9724
grinding wheels, 9723
hand trucks, 9721
ladders, 9725
power trucks, 9722
industrial safety in construction industry (series), 1357
industrial safety in D.C., amend law—
hearings, 16320
report, 16296
inspecting for safe use of portable electric equipment, 6602
inspecting for safety, 9702, 16803
interstate natural gas pipelines, hearings, 6093
Labor Dept. safety programs—
chemical safety data sheet, CDS LS series, 9682-83
off the job safety, OJS LS series, 16810
Labor Dept. training programs—
how to inspect chart, HTIC LS series, 9684-95, 11308
effective use suggestions, 11307
occupational safety aid, OSA LS series, 6601, 9697-9720, 12766, 16798-809
occupational safety charts, 9721-27
student reference, SR LS series, 6602, 9731-32
technical reference, TR LS series, 9733-41
longshoremen, suggested safe practices, 12767
marine safety and seamen's welfare act of 1967, draft bill, supplement, 16404
maritime safety digest (periodical), shipyards, 3542
meaningful protection for American traveling public (remarks), 6258

INDEX 1967

Safety of life—Continued

- measures for providing safe working conditions during caisson operations described, USSR study, 6524
- mine safety—
 - Federal coal mine safety act as amended, title 1 and title 2, text, 16852
 - Federal metal and nonmetallic mine safety act, report, 647
 - poor safety measures and work methods at USSR mines, 2478
- mineral industries, injury experience, employment and worktime, 8342, 15465
- motor vehicle safety—
 - defect recall campaigns reported by manufacturers, 18086
 - initial Federal safety standards, Jan. 31, 1967, report on development, 9024
 - responsibility act of District of Columbia, amend, report, 17623
 - standard safety devices, Federal standard, 4796
- motorcycling fun and personal protection, 17174
- natural gas pipeline regulations, hearings, 16403
- notice to mariners, 3641, 7007
- nuclear and safety experience analysis, summary and conclusions, 12007
- nuclear power plants, operating and safety experience analysis review, 13327
- nuclear safety, quarterly technical progress review, 3645
- office safety, occupational safety aid, 9703
- pleasure craft, safety suggestions, 220
- preventive maintenance as an aid to safety, 9720
- promoting worker interest, 9704
- protection of human life from drugs, 12562
- public safety agency employment data, hearings, 16325
- publications, price list, 17135
- radiography license applications, guide, 15957
- reclamation safety news (periodical), 3811
- recreational boating safety, hearing, 17603
- safe lifting, 6601
- safe practices, chart, freight elevators, 9727
- safe working loads of rigging gear and equipment, technical reference, 9733
- safeguarding machinery, occupational safety aid, 9705
- safety aboard ship, 5091
- safety and special radio services, FCC applications and actions, 3269
- safety committee activities, 9715, 16806
- safety digest, AMC pamphlet, 3843
- safety engineering in painting and varnishing shops, USSR book excerpts, 15363
- safety in industry, instructor outline—
 - accident investigations and records, 8291
 - construction safety, site clearing, 17887
 - consultative approach for safety promotion, 16797
 - fire and explosion prevention and protection, 8295
 - handling materials safely, 9681
 - housekeeping for safety, 6599
 - illumination for safety, 8296
 - inspection procedures, 8290
 - job hazard analysis, 14280
 - personal protective equipment, 8298
 - planning layout and arrangement for safety, 8292
 - preventive maintenance for safety, 8293
 - promoting worker interest in safety, 8288
 - responsibility for safety, 8287
 - safe working surfaces, 8294

Safety of life—Continued

- safety in industry, instructor outline—
 - continued
 - safety organization, 8289
 - use of color for safety, 8297
- safety in industry, maritime safety data for shipyards shipboard ventilation for hazardous atmospheres, 8299
- safety of large volume parenteral solutions, national symposium proceedings, 15275
- safety precautions for explosive-loaded items, military standard, 13923
- safety program projects, suggestions, 9706
- safety review, Navy Department (periodical), 3844
- safety standards (periodical), 3845
- safety standards activity, 1965 highlights of occupational standards and codes, 2490
- safety standards, occupational safety aid, 9707
- safety training techniques in the classroom, 9716, 16807
- ship repairing regulations, 9728
- shipbreaking regulations, 9729
- shipbuilding regulations, 9730
- space flight safety, survey, 9171
- spacecraft test personnel, use of remotely operated high pressure valve to protect, 15551
- State safety code activity, 1965-66, highlights, 6600
- State safety code comparison studies, 5053
- supervisory responsibility for safety, 9717, 16808
- tire research related to safety (lecture), 9946
- tornado safety rules, 7938, 13992
- traffic and motor vehicle safety act of 1966, report, 645
- traffic safety act of 1966, amend relative to application to limited production of motor vehicles, hearing, 17647
- traffic safety, Federal role, hearings, appendix, 9315
- water safety, tips in, on, and around water, 15709
- worker interest, promoting, occupational safety aid, 16804
- Safety officers, mineral industries, examination announcement, 4392
- Safety Patrol Week, see National School Safety Patrol Week.
- Sagan, Hans:
 - dynamic programming and Pontryagin's maximum principle, 14387
- Lagrange problems with variable endpoint as optimal control problems, 14386
- Saguaro, description, growth characteristics, etc., 8561
- Saguaro National Monument, general information, 8561
- Sahil Sushal coastal area, surface water and related climate features, 11189
- Sabni, Roop C., prediction of ground, ionized and excited states of unknown NF molecule, 5181
- Sailing directions:
 - Africa—
 - northwest, change, 7001, 17071
 - southeast coast, change, 9970, 18096
 - Australia—
 - East coast, change, 11636
 - South coast, change, 11637
 - Raffin Bay and Davis Strait, 9968
 - Baltic Sea, change, 5328
 - Bay of Bengal, 5329
 - British Columbia, change, 13018
 - Central America and Mexico, east coasts, change, 9969
 - China, change, 15630
 - England and Wales, west coasts, change, 8570
 - England, east coast, change, 11634
 - France, north coast, 13022

Sailing directions—Continued
 Greenland, east, and Iceland, change, 14571
 India, west coast, 17073
 Indian Ocean, south, change, 14575
 Japan, northern part, change, 2771
 Kattegat and The Sound, change, 17070
 Labrador and Hudson Bay, 13020
 Malacca Strait and Sumatra, changes, 14576
 Mediterranean, changes, 15627-628, 11635, 17072, 18097
 Mexico and Central America, west coasts, 6998
 change, 15625
 New Zealand, change, 18098
 North Sea, eastern shores, change, 6999
 Norway—
 northwest and north coasts, change, 14573
 southwest coast, change, 7000
 Pacific Islands, change, 11638
 Philippine Islands, change, 7002, 8571, 15629
 Portugal, west coast, change, 7001, 17071
 Red Sea and Gulf of Aden, etc., 9971
 St. Lawrence Gulf and River, change, 13019
 Siberia—
 east coast, change, 14577
 southeast coast, and Korea, change, 11640
 Skagerrak, northern and eastern, change, 13023
 Soenda Strait and western and northeast coasts of Borneo, change, 5330
 South America, changes, 13021, 11633
 South China Sea, western shores—
 change, 7003, 11639
 Singapore Strait to Hong Kong, 17074
 Spain, west coast, change, 7001, 17071
 USSR, northern, change, 14574, 15626
 West Indies, change, 14572, 17069
 Sailing vessels, inland, Great Lakes and western rivers rules, amend, law, 468
 Sailors:
 civil relief act of 1940 and amendments, compilation, 1994
 exempt from coverage under annual and sick leave act of 1951, hearing, 4533
 Federal seafaring, additional leave, law, 459
 marine safety and seamen's welfare act of 1967, draft bill, supplement, 16404
 wages, hours of work on board ship, and manning, recommendations of ILO convention, withdrawal of treaty, text, 15064
 St. Christopher, *see* Leeward Islands.
 St. Clair, Hillary W., developing thermochemical model for iron blast furnace, etc., 14334, 17915
 St. Croix, V.I., height growth of mahogany seedlings, 12575
 St. Croix River, Maine to Little River, S.C., 14877
 St. Francis County, Ark., soil survey report, 2875
 St. Francis River:
 basin, local cooperation requirements, engineer report—
 departmental edition, 6207
 document edition, 6058
 Saint-Gaudens National Historic Site, general information, 6985
 St. George, R. A., protecting log cabins, rustic work and unseasoned wood from injurious insects in eastern United States, 5627
 St. Helena Island, decapod crustaceans, 6945
 St. Lawrence Gulf, sailing directions, change, 13019
 St. Lawrence River and Valley:
 sailing directions, change, 13019
 seaway—
 concrete in locks, investigation, 13987

St. Lawrence River and Valley—Continued
 seaway—continued
 rehabilitate navigation locks, hearings, 17676
 tolls for Montreal/Lake Ontario section, lockage fee on Welland Canal, agreement with Canada, 11872
 traffic report, 8673
 St. Lawrence Seaway Authority, traffic report of St. Lawrence Seaway, 8673
 St. Lawrence Seaway Development Corporation:
 appropriations, 1967, law, 403
 annual report, 1966—
 departmental edition, 17191
 document edition, 16162
 capitalization, conversion of revenue bonds into capital stock, etc., hearings, 17676
 press releases, 3758
 rehabilitate navigation locks of seaway, hearings, 17676
 traffic report of St. Lawrence Seaway, 8673
 St. Louis, Ill., area wage survey, 8306
 St. Louis, Mo.:
 air pollution study, 5438-42, 11739
 air quality management (paper), 11716
 area wage survey, 8306
 Mississippi River and tributaries in district, stages and discharges, 13982
 St. Lucie Inlet:
 engineer report—
 departmental edition, 4738
 document edition, 4471
 St. Marks National Wildlife Refuge, birds, list, 11079
 St. Marys Falls Canal, lake commerce passing through canals at Sault Ste. Marie, Mich. and Ontario, 6208
 St. Paul, Minn.:
 area wage survey, 11313
 motor carrier accident, 4928
 St. Petersburg, Fla., area wage survey, 2505
 St. Vincent, Peace Corps volunteers, agreements, 11853
 Saker, Alexander F., relief, 303, 592, 866
 Salad dressing:
 and related products—
 current industrial reports, 12079
 industry reports, 145-146, 12028
 Salar de Atacama Basin, geology and ground-water resources of northern part, Antofagasta Province, Chile, 11164
 Salaries:
 compensation expenditures and payroll hours—
 motor passenger transportation industries, 17893
 pipeline industry, 11310
 District of Columbia—
 firemen, increase, law, 514
 police, increase, law, 514
 teachers, school officers, etc., increase, law, 514
 Federal classified and postal employees, 1945-66 increases, 4556
 Government officials and employees—
 bi-monthly statistics, 2985
 classification laws, compilation, 1980
 Federal personnel manual supplement, 3305
 hazardous duty differential, increase, report, 9295
 increase, message from the President, 9069
 pay structure of Federal civil service, 16081
 salary act of 1967, hearings, 12310, 17671
 salary supplement to examination announcements, 4408, 5937, 10433
 statutory systems, annual report, appendix, 10692
 long-term trends in urban teachers' compensation, 5080

Salaries—Continued

- nonproduction employees, white-collar pay supplements, employer expenditures in private industry, 6620
- occupations in services for the blind, 2499
- professional, administrative, technical, and clerical pay, national survey, 2507
- scientist in United States, 5326
- severance benefits, payment to former Foreign Service officers of State Department, GAO report, 4873
- Smithsonian Institution executive positions, rates of compensation, establish, law, 447
- State employment security agencies, Georgia employment security agency, ensure salary comparability, procedures, need for strengthening, Employment Security Bureau, Labor Dept., GAO report, 8134
- State, salary ranges of positions in employment security, etc., 4898, 11194
- teaching faculty in universities and 4-year colleges, spring 1963, survey, 9413
- United States employees, jurisdiction of district court over actions to recover, limitation, increase, amend Tucker act, report, 15077
- see also* Payroll deductions—Wages.
- Salarinae, *see* Entomacrodus.
- Salary Commission, Joint, *see* Joint Salary Commission.
- Salazar, Robert J., French, supplementary exercises for basic course, 14675
- Salem Church Reservoir :
Rappahannock River, Va., engineer report—
departmental edition, 15227
document edition, 15056
- Salem Maritime National Historic Site, general information, 13009
- Saleme, Ernesto, passive geodetic satellite inflation rate study, 8426
- Sales :
Agricultural Stabilization and Conservation Service reports, 3848
aspects of sales promotion, 7109
building U.S. sales in expanding world market (address), 4920
capital assets, reported on individual income tax returns, 2411
department store sales—
by departments, monthly report, 3572
selected areas, monthly report, 3573
selected cities and areas—
monthly report, 3574
weekly percentage changes, 4057
export, promotion announcements, 3251
international, buyer's or seller's assumption of risk, Bulgarian discussion, 5013
large corporations, quarterly report, 3847
see also names of commodities, etc.
- Sales finance companies, *see* Finance companies.
- Sales tax, District of Columbia, exempt House of Representatives majority and minority rooms, printing operations, etc., report, 9087
- Salesmen and salesmanship :
outside salesman, definition under fair labor standards act, 1665
sell your products with business proposals carried abroad by U.S. trade missions, 6466
- selling in—
Canada, 16104
Denmark, 233
Finland, 10461
Greece, 4440
India, 4438
Sweden, 4445
- selling to military, general information, 2158
- training retail salespeople, bibliography, 5495

- Saline County, Ark., water resources, 8181
- Saline water, *see* Sea Water—Water.
- Saline Water Office :
appropriations, 1968, hearings, 7734
press releases, 3759
programs, briefing session, hearings, 10655
report, 11216
- Salines, composition of residues on leaves and stems of saltcedar, 6397
- Salinity, ground water of western Pinal County, Ariz., 1131
- Salisbury, Harrison E., trip to North Vietnam, bearing, 6105
- Salish Indians, *see* Flathead Indians.
- Saliva :
parotid fluid—
collection by Carlson-Crittenden device, further modification, 10240
determination of inflight biochemical responses utilizing parotid fluid collection technique, 4187
flow rate and periodontal status in human, 11965
flow rate effect of mental exercise, 11963
flow rate effect on calcium and protein levels, 7363
flow rate effect on calcium, magnesium, and protein concentrations, 10239
hyperhydration and parotid flow in man, 7349
measurement of trace levels of deuterium oxide using infrared spectrophotometry, 11964
parotid versus extra-parotid flow rate in human, 11961
periodontal status, 4178
rapid transfer of cortisol from bloodstream to parotid fluid, 11962
unstimulated, uric acid levels, effect of uricosuric drug administration, 11960
uric acid levels, effect of rate of gland function, 11959
- Sallas, Gustav A., labor law and practice in Brazil, 11309
- Salmon :
Abernathy diet, test of components, 16636
caloric and vitamin levels of diets, studies, 8042
DDT effects on ecology of salmon streams in southeast Alaska, 8040
fingerlings, effects of age, etc., on characteristics, 8042
fisheries, agreement with Japan, 15794
migrating adult salmonids, response to varied orifice conditions, 14066
- Salmonella :
control, sanitation guidelines for processors of poultry and animal byproducts, 11922
destruction, report of conference, 8
heat stability of egg white proteins under minimal conditions that kill salmonellae, 11918
reports, review of salmonellosis in cattle, 9
- Salmonidae :
bacterial kidney disease of salmonid fishes, 4802
MS-222 use as anesthetic, 8033
- Salt :
minerals yearbook chapter, 6690
titanium-oxygen alloy and titanium chlorides in molten sodium chloride, reaction rates, 14359
see also Brines—Salts.
- Salt Creek area, N. Mex., geology and mineral resources, 17821
- Salt domes, Texas, Louisiana, Mississippi, Alabama, and offshore tidelands, survey, 2541
- Salt Lake City, Utah, area wage survey, metropolitan area, 8312
- Salt River and Valley :
basin survey, engineer report—
departmental edition, 1028
document edition, 526
water supply outlook and snow surveys, 4044

- Salt River Pima-Maricopa Reservation, long term leases, law, 429
- Salt water, *see* Sea water—Water.
- Saltbush, fourwing, percentage of filled seeds, 11128
- Saltcedar, *see* Tamarix.
- Salton Sea, evaporation, techniques used to measure, 9572
- Saltonstall, C. W., jr.:
research and development of new polymer systems for reverse osmosis membranes, 8213
study of membranes for desalination by reverse osmosis, 6448
- Saltonstall, Leverett, tributes upon retirement, 2077
- Salts:
chemistry and technology research, USSR study, 15350
hydrated multivalent cations, new class of molten mixtures, 9794
inorganic—
effect on pyrolysis of wood, alpha-cellulose, and lignin determined by dynamic thermogravimeter, 8103
technical grade, military standard, 15193-194
- Salutes (military), *see* Military ceremonies, honors, and salutes.
- Salvage:
fire and water damaged records, SBA, Minneapolis, Minn., 14165
publications in salvage archeology, 5499 10081, 15734
- Salzman, Jack A.:
frequency and viscous damping of liquids during weightlessness, 15571
liquid-propellant reorientation, 5261
- SAM, *see* School of Aerospace Medicine
- Sam Houston, Fort, employees, relief, 279
- Samala, Ricardo V., relief, 16198
- Samanski, Rumiko, relief, 13744, 16196, 17508
- Sammel, E. A., water resources of Ipswich River basin, Mass., 6411
- Samoa, *see* American Samoa.
- Samonski, Frank H., jr., technical history of environmental control system for Project Mercury, 18009
- Sample display service, new way to find agents and distributors overseas, 4923, 14207
- Sample surveys, *see* Social surveys.
- Samplers, mechanical, in use at Grand Junction, Colo., design and descriptions, 15963
- Samples:
aqueous ion exchange determines iodine-131 concentration, 12833
biological, taken during orbital flight, storage problems, 9820
- Sampling:
inspection, guide, quality and reliability assurance handbook, 10902
rates, multiplexing control device for handling wide variations, 12887
tool to extract cores from baled hay or straw for analysis, 13201
see also Assaying—*also* names of substances or objects sampled.
- Sampling (statistics):
self study course, 17703-704
- Sammels, Richard D.:
effects of configuration geometry on supersonic aerodynamic characteristics of simulated launch vehicle, 5239
static longitudinal aerodynamic characteristics of proposed decelerator test vehicle, 6897
turbulent boundary layer at Mach 6 with heat transfer at high Reynolds numbers, 8488
- Samuelson, Paul A., review essay of his economic works, 6616
- San Andreas fault, zoogeographic evidence for late Tertiary lateral slip, 17827
- San Antonio, Tex.:
area wage survey, 16818
HemisFair, 1968, U.S. participation, amend act—
law, 399
report, 621
- San Bernardino, Calif., area wage survey, 5067
- San Carlos Reservation, longer term leases, authorize, reports, 12261
- Sanchez, Pedro A. J., relief, 9238
- Sanchez-Hernandez, Hector J., relief, 9202, 12146, 12214
- Sanchez Jerez, Ernesto, relief, 9243
- Sand:
budget of littoral sands in vicinity of Point Arguello, Calif., 7924
coarse, flume experiments on transport, 16695
embedment, facilitates heat-treatment of metal parts, 6779
minerals yearbook chapter, 5133
wave-powered device for moving sand, feasibility study, 13975
- Sand pine, *see* Pine.
- Sanders, Curren J., evaluation of smoke-wire technique for measuring velocities in air, 10293
- Sanderson, H. Reed, publications from San Joaquin Experimental Range, 4824
- Sandhills, *see* Dunes.
- San Diego, Calif.:
area wage survey, 6610
Point Loma demonstration plant, conceptual design study of desalination plant-replacement, 15230
Sunset Cliffs, beach erosion study, engineer report—
departmental edition, 1029
document edition, 521
- San Diego County, Calif.:
Sweetwater River, engineer report—
departmental edition, 15228
document edition, 14926
- Sandoval County, N. Mex., effects of land-treatment practices on runoff water supply, 6412
- Sands, A. G.:
microparticle and fiber reinforcement of epoxy resins, 5352
microvoids in glass-filament-wound structures, their measurement, minimization, and correlation with interlaminar shear strength, 11677
- Sandstone:
Clinton hematite deposits, Butt Mountain area, Va., 12819
epigenetic uranium deposits in sandstone in United States, geology, 8167
Mitchell and Berea sands, lower Newport field, Newport Township, Ohio, secondary recovery of oil by waterflooding, 14361
Venago second sand, Reno pool, Venago Co., Pa., under-ground combustion oil-recovery experiments, 11872
waterflood performance, theoretical and field, Kane oilfield, Pa., 9769, 12814
- Sandstone Creek, watershed, hydrologic effects of small reservoirs, 2376
- Sandwich construction:
buckling of sandwich and ring-stiffened 120° conical shells subjected to external pressure, effect of edge constraint, 11417
deformation of shallow spherical sandwich shells under local loading, 6895
Forest Products Laboratory, publications, list, 9530
honeycomb structures, detection of entrapped moisture, 11453
titanium and nickel-base, edgewise compressive properties at elevated temperatures, 8102

- Sandwich construction—Continued
see also Cylinders—Panels and paneling—
 Shells (aircraft).
- Sandy Hook to Cape Henry, coast pilot, 4414,
 7557
- San Felipe division, *see* Central Valley
 project.
- Sanford, F. Bruce, commercial fisheries ab-
 stracts, 3109
- San Francisco, Calif.:
 aircraft accident, 17059
 area wage survey, 9744
- Sanger, Margaret, award in world leadership,
 accepted by W. Willard Wirtz, Secretary of
 Labor, on behalf of the President (re-
 marks), 1349
- San Geronimo Wilderness Area, family winter
 recreational use, hearings, 2050
- Sanguily, Julio, Jr., relief, 577
- Sanitation:
 cheese and cheese products plants, sanitary
 standards, military standard, 9376
 effective, smoked-fish plants, 9514, 16619
 environmental aspects of hospitals sup-
 portive departments, 11736
 equipment, Federal item identification
 guides for supply cataloging, supple-
 ments, 3288
 FES aid, sanitation series, 14022
 field sanitation, team training, Medical
 Service, Army pamphlet, 10264
 guidelines for processors of poultry and
 animal byproducts for salmonella con-
 trol, 11922
 home laundering, 17317
 Indian programs, briefing, hearings, 10655
 milksheds, rating methods, 8639
 minimum standards for community infant
 formula services, 15698
 sanitary significance, fecal coliforms in
 environment, 6343
 standards, smoked-fish processing, fish-
 smoking establishments, recommenda-
 tions, 11759
see also Food sanitation inspectors.
- San Joaquin Experimental Range, publica-
 tions, 4824
- San Joaquin Valley:
 Madera area, data for wells, 12605
 spinning performances of cottons, com-
 parison with varying fiber properties,
 1964-65 season, 15860
- San Jose, Calif., area wage survey, 5063
- San Juan Basin, stratigraphy and regional
 tectonic implications of Upper Cretaceous
 and Tertiary rocks, 16693
- San Juan County, Utah, Indians, royalties
 from certain lands on Navajo Reservation,
 expenditure to benefit, report, 881
- San Juan Mountains:
 ash flows and related volcanic rocks asso-
 ciated with Creede caldera, 8166
 western, Mount Wilson quadrangle, geol-
 ogy, 15304
- San Juan National Historic Site, general in-
 formation, 15613
- Sanner, William S., preparation characteris-
 tics of Pennsylvania anthracite from Bot-
 tom Red Ash bed, northern field, 12830
- San Patricio County, Tex., civil rights status
 of Spanish-speaking Americans, 14848
- San Rafael Wilderness, Los Padres National
 Forest:
 designate—
 hearings, 10854, 15038
 message from the President, 5995
 reports, 10734, 14977
- Santa Ana, Calif., area wage survey, 12773
- Santa Ana National Wildlife Refuge, birds,
 list, 17779
- Santa Ana River and Valley:
 upper valley, ground water—
 patterns of subsurface flow, 1118
 studies proposed, progress report, 1125
- Santa Ana winds, *see* Winds.
- Santa Barbara County, Calif., Santa Ynez
 River basin, Lompoc subarea, 1957-62
 hydrologic inventory, 1117
- Santa Clara County Welfare Department,
 intake and case recording, fact-finding
 report, 10973
- Santa Fe County, N. Mex.:
 land, transfer to AEC—
 law, 407
 report, 4503
- Santa Rita Experimental Range, center for
 research on improvement and management
 of semidesert rangelands, 2331
- Santa Rita quadrangle, N. Mex., general
 geology, 14171
- Santa Ynez River and Valley, basin, Lompoc
 subarea, 1957-62 hydrologic inventory,
 1117
- Santiago, Jorge S. Vidal, *see* Vidal Santiago,
 Jorge S.
- Santillano, Antonio B., relief, 284, 872
- Santor, Gilbert J., Hall coefficient of tan-
 talum carbide as function of carbon con-
 tent and temperature, 18018
- Santos-Estevéz, Mario O., relief, 301, 591,
 865
- San Xavier Reservation, long-term leases,
 law, 429
- Sapstreak, effect of staining caused by sap-
 streak disease on sugar maple log and
 lumber values, 2306
- Sapwood, differences between heartwood and
 sapwood, 2302
- Saraf, Zoltan W., effect of mechanical vibra-
 tions on performance of superconducting
 magnets, 11511
- Saratoga County, N.Y., population, special
 census, 10375
- Saratoga National Historical Park, general
 information, 14554
- Sarcoma, *see* Tumors.
- Sardines, larvae, distribution in California
 Current region off California and Baja,
 California, 1951-64, summary, 8036
- Sarin:
 conditional reflex activities of dogs
 poisoned with sarin and then treated
 with nemikol-3, Bulgarian study, 6563
 poisoning of white rats, prophylaxis,
 Bulgarian study, 6544
- Sarsiella, *see* Crustaceans.
- Satellites:
 Alouette I, electron densities and scale
 heights—
 over American continents, 2617
 summary graphs, 16930
 recorded at Hawaii, 6736
 Ariel I, 1st international satellite, experi-
 mental results, 6732
- artificial earth—
 navigational use, by Doppler method,
 USSR study, 11280
 orbital prediction and differential cor-
 rection using Vinti's spheroidal
 theory, 8482
 systems tests effectiveness in attaining
 reliable performance, 2697
 atmosphere investigation, methods, 6911
 attitude control, semi-active gravity gra-
 dient system, evaluation—
 appendices, 2598
 technical summary, 2597
 attitude stability of spinning passive orbit-
 ing satellite, 6709
 communications—
 act of 1962, report on activities, etc.,
 message from the President, 9066
 bibliography, 11433
 FCC rules and regulations, 3277
 Government use, 1967—
 hearings, 13707
 report, 15000
 use for direct relay of Apollo spacecraft
 data, feasibility, 15559

Satellites—Continued

communications—continued
use for transmission of unidirectional (simplex) programs, USSR study, 15386
communications, navigation, geodesy, meteorology, etc., 6735
control, command processors, 14479
Cosmos satellites in near-earth orbits, USSR study, 5017
display system, use of NTDS, 14593
domestic satellite policy (remarks), 16564
electron densities and scale heights in topside ionosphere, 2617, 6736
summary graphs, 16930
ESSA spacecraft launching system, 1033
ESSA 3, meteorological satellite data, television cloud photography, catalog, 16536
Explorer XII, etc., and Ariel 1, solar array regulators, 12927
Explorer XXIX (Geodetic Explorer), gravity gradient, stabilization system and performance, 17940
Ford Foundation proposal for broadcasters non-profit satellite service, hearings, 2111
geodetic, passive, ground-based photometric surveillance, 11413
geodetic reference system, three dimensional, worldwide concept updated, 6218
geodetic satellite observation station, agreement with—
Japan, 11867
Mexico, 11859
Goddard project summary data, 12846
gravity-oriented, orbit adjust and station keeping method, mathematical model and study, 2688
Japanese geodetic satellite observation station, agreement, 8732
Kosmos-122, investigation of cloud cover and out-going radiation, USSR study, 2443
low-thrust orbit raising in continuous sunlight while thrusting in plane perpendicular to earth-sun line, 15567
Luna-9, lunar panoramas obtained, stratified and multi-faceted forms, USSR study, 1280
Luna-10—
intensity and spectral composition of lunar gamma radiation, USSR study, 1281
investigation of cosmic radiation, USSR study, 1282
magnetic field measurements in neighborhood of moon, USSR study, 1285
soft corpuscular radiation, USSR study, 1283
lunar, indications of lunar intersection of tail of earth's magnetosphere according to charged particle traps, USSR study, 1284
lunar ionosphere detection made by 1st lunar artificial satellite, results of experiments, USSR study, 4950
manned orbiting laboratory, monitoring crew performance, predicting 4-hour psychomotor performance from half-hour, 17355
meteorological, use in cloud research, USSR study, 12744
moons of Jupiter, round-trip trajectories to, 18017
natural environment in synchronous circular orbit, 15883
navigation, future potentials, 11394
NRL, satellite position display, simplified prediction equations for, 5349
numerical theory, in Brendel's coordinates, 11545
observation of distant man-made space objects, USSR study, 16765

Satellites—Continued

orbiting solar observatory, NASA facts, 1437
passive communications, orbit position control, handbook, 11398
passive geodetic—
canister assemblies, 5184
inflation rate study, 8426
Pegasus—
meteoroid satellite project, 1st summary report, 2684
thermal design, 1477
evaluation, 2687
PFM encoding systems, evolution, 5241
plastic space erectable prototype, development, 16913
position display, computer program (SPAD), 8595
power systems configurations for maximum utilization of power, study and analysis, 16918
Project EOLE, balloon meteorological research, agreement with France, 2906
publications, price list, 5419
random-scan display of predicted positions, 9994
remote sensing, potential from space platforms, agricultural application, 15843
resonant librating orbits, use in satellite geodesy, 14476
satellite meteorology, Soviet scientists, papers, 4986
scanning small celestial area, minimum energy reaction wheel control, 9899
SPAD formatter, buffer interface between satellite prediction computer and display, 8593
STARS II, fully automatic data processor, description, etc., 11527
synchronous orbits, radiation environment, 8437
Syncom engineering report, 11556
telemetry data simulation program, generalized, 1508
telemetry/telecommand station near Fairbanks, Alaska, agreement with European Space Research Organization, 11836
Telstar I, background information, 2615
Telstar II, background information, 2615
thermal bending plus twist of thin-walled cylinder of open section with application to gravity gradient booms, 15561
TIROS—
meteorological data, television cloud photography, catalogue, 6227, 13990
radiation data, synoptic world weather analysis, 12922
TIROS IX, illustrated folder, 9933
tracking equipment, USSR description, 9611
use for geodesy, USSR study, 1212
Vinti's accurate reference satellite orbit with inclusion 3d zonal harmonic, differential corrections, 15564
Voyager program, voyage to planets (remarks), 8514
weather—
data for automatic compilation of cloud maps on Setun' electronic computer, USSR study, 12660
upper troposphere motions as revealed by satellite-observed cirrus formations, 9430
see also Launching facilities.
Sato, Matsue, relief, 580
Saturn (planet):
use of Jupiter gravity turns for tailoring trajectories to Saturn with consideration of launch opportunities, 2692
Saturn (rocket), see Rockets.
Saucier, Kenneth L.:
design, construction, and postshot evaluation of concrete stem for access hole, 17395

INDEX 1967

- Saucier, Kenneth L.—Continued
vibrating slope method for measuring concrete workability, 4742
- Saudi Arabia:
aircraft and equipment, transfer, agreement, 2926
area handbook, Army pamphlet, 5733
background notes, 15761
capsule facts for Armed Forces, 11977
farm products, supply and demand projections to 1975, with implications for U.S. exports, 7886
mineral industry, minerals yearbook chapter, Kuwait-Saudi Arabia Neutral Zone, 5112
sedimentary geology, 1124
- Sauerkraut, bulk, U.S. standards for grades, 13890
- Saugus Iron Works National Historic Site, establish, report, 14985
- Sank Indians, *see* Sac and Fox Indians.
- Sault Ste. Marie, Mich., commerce passing through canals, salt water ship movements, statistics, 9423
- Sault Ste. Marie, Ontario, commerce passing through canals, salt water ship movements, statistics, 9423
- Savannah, Ga., area wage survey, 15439
- Savannah (nuclear ship):
layup, hearings, 12307
liability during private operation, agreement with—
China, Republic, 15799
Greece, 11856
operation, continue, hearing, 13853
visit to Hong Kong, agreement, 15795
- Savannah River and Valley, geology and ground water for atomic energy plant, 16705
- Save them young, New York State's prekindergarten program, 13962
- Saveson, Irwin L., deep-tillage investigations on alluvial soil in sugarcane area of Louisiana, 1672
- Saville, Thorndike, jr., rock movement in large-scale tests of riprap stability under wave action, 16520
- Saving and thrift, size and composition of consumer saving, 6304
- Savings accounts, *see* Banks and banking.
- Savings and home financing source book, 14023
- Savings and loan associations:
current issues and future opportunities (address), 7961
financial institutions supervisory act—law, 409
reports, 666, 674, 691
gifts to minors in D.C., permitting deposits, report, 13639
holding company act amendments of 1967—
hearings, 13849, 16316
report, 13796
participation loan transactions, insured associations, 3675
prohibit from participating in gambling activities, hearing, 16397
savings and home financing, source book, 1966 data, 14023
savings and mortgage lending activity, selected balance sheet items, FSLIC insured associations, 3365
South American progress made (address), 7960
trends, 16574
see also Federal savings and loan associations.
- Savings banks, *see* Banks and banking.
- Savings bonds:
bond tips from U.S. savings bond reporter, 3061
freedom shares (remarks), 8775
importance in current economic picture (remarks), 18242
issued and redeemed, 4007
- Savings bonds—Continued
now, build your own retirement program, 5481
program, Federal employee participation (remarks), 7106
program inauguration for Federal employees (remarks), 8675
retirement and savings bonds, issuance—law, 504
law, summary, 4566
legislative history, 2064
Senate amendments, summary, 4568
series A-E, tables of redemption values, 8619, 11708
series E,—
department circular, amendments, 5569, 8770
department circular, supplement, 17266
general information, price, etc., 11779
issuing agencies, regulations, 13167
series H, current income, 8674
series J and K payment or redemption, department circular, 2947
series J, tables of redemption values, 5419, 11709
servicemen-savings bond commemorative postage stamp, 1st day ceremony (address), 1556
- Savings notes, issuing agencies, regulations, 13167
- Saviao, Joseph M., transient solidification of warm liquid flowing over chilled flat plate, 12935
- Sawdust, sacking, economic potentials, in western resource conservation and development project areas, 16920
- Sawlogs, *see* Logs.
- Sawmills:
coarse feed sawing of red oak, limited study, 11111
hardwood, chip manufacture, cost analysis, 14139
knee position recorder for carriage head-blocks, 2297
operation, Army technical manual, 106
- Sawochka, S. G., thermal and hydraulic performance of potassium during condensation inside single tubes, 15506
- Saws:
hole saw drill attachment has zero force reaction, 6767
radial, how to inspect chart, 9685
table saw, how to inspect chart, 9687
- Sawtimber, *see* Timber.
- Sawtooth National Recreation Area, establish, hearing, 16417
- Sawyer, D. E., heterodyne operation of avalanche photodiodes, 18023
- Sawyer, James W., effects of configuration modifications on aerodynamic characteristics of tension shells, 14475
- Sawyer, Richard H., pitch maneuver speed margins for supersonic transport configuration with variable-sweep wing, 17000
- Saylor, James H., modification of nearshore currents by coastal structures, 8326
- SB series, list, 1933
- SBA, *see* Small Business Administration.
- Scabies, sheep, eradication, methods, etc., 5666
- Scaffolding:
prefabricated, Federal item identification guides for supply cataloging, supplements, 3288
- Scaffolds:
shipyard maritime safety data, 17888
how to inspect chart—
scaffold construction, light duty, 9690
tubular steel frame scaffold, 9694
tubular steel tube & clamp scaffolding, 9695
- Scale factors for parachute opening, 16984
- Scale insects, hemlock pest, Florida externa, description, control, etc., 17796

Scales (measures):
 heights in topside ionosphere, Alouette 1 observations, summary graphs, 2617, 6736, 16930
 Scales (weighing instruments):
 weighing and measuring devices, specifications, etc., replacement pages, 6914
 Scallion, William L., body motions and angles of attack during Project Fire flight II reentry, 18020
 Scallops, Cenozoic pectinids of Alaska, Iceland, and other northern regions, 11180
 Scamp (single-channel monopulse processor), see Monopulse radar.
 Scandinavia, billion dollar U.S. market, 9603
 Scandium isotopes, Sc 45, differential cross sections for (d, α) reaction, 16989
 Scanlon, Thomas M., relief, 13569
 Scanners:
 electrical continuity scanner facilitates identification of wires for soldering to connectors, 6768
 IR vidicon, mopitors many test points, 15545
 thermionic, pinpoints work function of emitter surfaces, 1449
 Scanning:
 electron probe microanalysis, 5288
 means for Cassegrainian antenna, 12900
 optical systems, information limits, theoretical investigation, 5173
 photo-scan tube, improved, design concept, 12891
 satellite scanning small celestial area, minimum energy reaction wheel control, 9899
 twin helix system produces fast scan in infrared detector, 6800
 Scarabaeids, see Beetles.
 Scattering:
 angular distribution of thick-target bremsstrahlung which includes multiple electron scatterings, 14466
 determining scattering and absorption coefficients of paper by diffuse illumination, 11114
 elastic and inelastic, of 42-MeV alpha particles from even tellurium isotopes, 11536
 electron scattering and bremsstrahlung cross-section measurements, 9811
 inelastic electron, by nuclei, calculation, 12019
 inelastic, generalized potentials, 11543
 light, gas density measurements, 11490
 light, in highly reflecting pigmented coatings, summary of investigations, 14392
 monostatic acoustic, from ocean volume, 13034
 sound in ocean, USSR articles, 9627
 Schafft, Harry A., second breakdown in semiconductor devices, bibliography, 18082
 Schaeffer, Harry G., computer program for finite-difference solutions of shells of revolution under asymmetric loads, 11497
 Schaeffer, R. E., gluing ammonium-salt-treated southern pine with resorcinol-resin adhesives, 8063
 Schaffer, E. L.:
 charring rate of selected woods, transverse to grain, 11132
 effect of panel thickness and noncombustible inserts on surface flammability of plywood, 8064
 review of information related to charring rate of wood, 8059
 Schaffer, Robert, organic chemistry, air pollution studies, etc., 18081
 Schae, K. Warner, study of achievement test used in health examination surveys of persons aged 6-17 years, 13098
 Schallan, Con H., analysis of 2 logging road standards for BIM's Tillamook project, 11118

Sharpf, Robert F.:
 biology and pathology of dwarfmistletoe parasitizing true firs in California, 5685
 spread of dwarfmistletoe into Jeffrey pine plantation, trees infected after 22 years, 16658
 Scheiber, Harry N., condition of American federalism, historian's view, 4638
 Scheidegger, A. E., probability concepts in geomorphology, 2366
 Scheiman, James, comparison of flight-measured helicopter rotor-blade chordwise pressure distributions with static 2-dimensional airfoil characteristics, 11502
 Schell Creek range, Connors Pass quadrangle, geology, 16694
 Schenectady, N.Y., area wage survey, 12772
 Schermerhorn, Edward J., soil survey of Madison County, Ind., 8700
 Schilling, B. L., obtaining surface temperatures of materials in presence of extraneous radiation, 16975
 Schimke, Harry E., disposal of logging slash, thinings, and brush by burying, 4839
 Schindler, A. I., residual resistance, ratio of pure iron, 5348
 Schineller, E. Ronald, development of optical waveguides and components, 15508
 Schistosomiasis, prevalence in Puerto Rico, skin test survey, 8654
 Schlesinger, Lawrence E., tips, guide to placement of NYC enrollees with epilepsy, 2488
 Schloss, Samuel, nursery-kindergarten enrollment of children under 6, 10937
 Schmid, Hellmut, concept for up-dated 3-dimensional worldwide geodetic reference system, 6218
 Schmid, P. E., feasibility of direct relay of Apollo spacecraft data via communication satellite, 15559
 Schmidt, Harold W., handling and use of fluorine and fluorine-oxygen mixtures in rocket systems, 11425
 Schmidt, James E., performance of X 258 3d-stage motor on Delta 36 (OT-3), 14460
 Schmidt, Jerome P., influence of intermittent 98 percent oxygen and 380 mm. Hg total pressure on susceptibility to tularemia, 5715
 Schmidt, Wyman C., growth opportunities for young western larch, 4829
 Schneider, Edward, county veteran population, 17283
 Schneidman, Edwin S., bulleting of suicidology, 14617
 Schnellbacher, E. E.:
 addresses—
 Jan. 24, 1967, 4920
 Mar. 27, 1967, 8224
 Schnittker, John A.:
 addresses, etc.—
 Sept. 8, 1966, 27
 Oct. 15, 1966, 1695
 Nov. 4, 1966, 4141
 Nov. 29, 1966, 4101
 Jan. 12, 1967, 4090
 Feb. 17, 1967, 7269
 Mar. 14, 1967, 7259
 June 5, 1967, 13253
 June 30, 1967, 13244
 Scholars:
 presidential, 4717
 what shapes their talent?, 12468
 Scholarships:
 dependents of Army personnel, 17383
 educational, loans, and financial aids, 1
 health professions, program, 13082
 joint commission for review of operation of certain scholarship funds, agreement with Mexico, 7175
 School attendance, one million dropouts, Sputnik of 1967, 17721
 School books, see Textbooks.

INDEX 1967

School buildings:

- federally affected areas, construction assistance, 1966 annual report, 6175
- one-room schoolhouse and how it grew, 10938
- schoolhouse in the city, 13963
- schoolhouses for big cities, 15217
- School buses, busing kids to suburbs, 10928
- School children, see Children.
- School finance, see Education.
- School libraries, see Libraries.
- School lunches:

- District of Columbia needy children, provide, appropriation, reports, 2087, 16381
- fish & shellfish type A quantity recipes, 15257
- layout, equipment, and work methods for kitchens and serving lines, 4121
- private school lunch management manual, 16442
- statutes, compilation, 7262
- type A—
- quantity recipes, 46
- topics, better management, etc., 965

School of Aerospace Medicine:

- aeromedical reviews, 4174, 7340, 11953, 14769
- technical reports, 65-92, 1730-44, 4175-87, 5706-15, 7341-70, 8868-69, 10231-244, 11954-967, 13269-272, 14770-782, 15894-901, 17346-363

School Safety Patrol Week, see National School Safety Patrol Week.

- School superintendents, etc.:
- District of Columbia school officers, etc., increase salaries, law, 514
- superintendents, large public school systems with enrollments of 10,000 or more, directory, 6197

Schoolbooks, see Textbooks.

Schooler, Allan L., relief, 16175

Schoolhouses, see School buildings.

Schools:

- built abroad by America pupils, thousand partnerships, 4722
- certificated pilot flight and ground schools, list, 11092
- change and American schools (address), 6177
- demonstration center, physical fitness, project, 18145
- desegregation—
- guidelines, hearings, 4548
- nobody wanted school desegregation, 15213
- plans, revised statement of policies, 2190
- policies and guidelines—
- investigation, hearing, 752
- select committee to study report referring investigation to Judiciary Committee, 4559
- progress and problems (address), 4718
- schools can be desegregated, 13849
- southern, 1966-67, study, 13436
- District of Columbia—
- amend act to provide for compulsory attendance and taking census, report, 16378
- custodial and engineering staffing, guidelines needed, GAO report, 12587
- employees under fair labor standards act, as amended, 10131
- enrollment—
- fall, approximately 55 million, Oct. 1966 survey, 5678
- population characteristics, census, 7483, 16009
- projections to 1985, United States, 10363
- extended use of school facilities, 16499
- fallout protected, pictorial review, 5917, 16058
- fallout shelters, civil defense program materials, 16052

Schools—Continued

- federally affected areas, operation assistance 1966 annual report, 6175
- federally impacted areas, improve assistance—
- hearings, 7742, 9153, 12419, 17664
- reports, 9118, 10557
- first-rate cities, first-rate schools (address), 12464
- graduate, improvements sought, USSR, 15407
- grants for construction of training facilities, etc., for health professions personnel, law, 463
- how good are our schools? Armed Forces qualification test provides clue, 1005
- independent, need for entangling alliances (address), 6190
- instruction in State and local systems, standard terminology, 10942
- instructional programmer, prediction of success in, 17345
- library resources, textbooks, and instructional materials, acquisition under ESEA, guidelines, 16513
- lunchrooms, work injuries and accident causes, 14282
- mechanic, Federal aviation regulations, 11002
- must take initiative, one million dropouts, Sputnik of 1967, 17721
- nation's schools, report on cooperative research to improve, 16510
- Negro enrollment in Southern and border States, 4711
- nonprofit private elementary and secondary, loans for equipment and materials, national defense education act, 1007
- NTC, specially trained teachers for education of poor, 6188
- our short-changed city schools (address), 16505
- pilot, Federal aviation regulations, 6241, 11000
- preventive dentistry program, feasibility study of use of stannous fluoride mouthwash, 17352
- private, lunch management manual, 16442
- public—
- accounting principles, 16509
- bond sales, 6176
- districts, 17 southern and border States, equal educational opportunities programs, status of compliance, 10943, 17725
- finance programs, 1966-67, State compilations, 17724
- instruction in science, etc., Federal financial assistance, guidelines, 13956
- land exchanges with Forest Service, facilitate—
- hearings, 16303
- report, 16275
- racial isolation, Civil Rights Commission report, 5918
- summary, 8982
- urban teachers' compensation, long-term trends, 5080
- public systems, education directory, 10930
- public training schools serving delinquent children, directory, 4364
- pupil personnel workers, certification requirements, 9396
- racial injustice, heat in our kitchens (address), 1004
- Russian, 10-year program, final examinations, 1002
- school certification of full-time attendance for social security purposes, 15743
- school plant management series, 16499
- staffing for better schools, 16511
- State systems, statistics, 7914
- summer projects of Education Office, 9410
- tax funds in cities and suburban areas, comparison (address), 16512

Schools—Continued

- Washington State, etc., income from public lands, use for construction of facilities, etc.—
 hearing, 9323
 law, 12177
 reports, 10733, 12262
 what OE's decentralization means, decisions from the field, 16497
 youth physical fitness program, suggestions, 8617
 see also Education parks—Elementary education—Faculty (schools)—High schools.
- Schools of forestry, *see* Forests and forestry.
- Schoppert, David W., remarks, Dec. 19, 1966, 4453
- Schrantz, Paul R., temperature control of orbital otolith experiment, 12868
- Schreinemakers, F.A.H., method for construction of pressure-temperature diagrams for multicomponent systems, geometric approach, 2359
- Schrider, Leo A., waterflood performance, Kane sand, Kane oilfield, Elk County, Pa., 9769
- Schrock, Joann L., minority groups in Vietnam, 5735
- Schrödinger's equation, *see* Equations.
- Schroeder, Harold J., zinc, 2592
- Schroeter, Richard B., U.S. imports of horticultural products, 16641
- Schuerch, H., manned extravehicular activities in assembly and operation of large space structures, 16901
- Schulte, J. A., behavior of water in various states, 15333
- Schuldiner, S., potentiostatic current-potential measurements on platinum electrode in high-purity closed system, 10011
- Schuller, Frederick T., operation of hydrodynamic journal bearings in sodium etc., 9901
- Schultz, J.:
 brackish well water reverse osmosis tests at Midland, Fort Stockton, and Kermit, Tex., 11217
 Potomac River reverse osmosis test, 6441
- Schultz, Leonard P.:
 new genus and new species of zoarcid fish from north Pacific Ocean, 11606
 South American freshwater angelfishes, 8539
- Schultz, Robert P., operational summer planting of slash pine, 15285
- Schultz, Theodore W., investment in poor people, 5044
- Schultze, Charles L., testimony, hearings, 15158
- Sehrz, Carl, papers in Library of Congress, register, 8330
- Schuster, Rubie C., UNESCO special fund projects, 14690
- Schutzmann, R. L., cleanup and confirmation of pesticide residues, etc., 13200
- Schwartz, Ralph L., soil survey of Fisher County, Tex., 2877
- Schweltzer, Dennis L., computer program for evaluating long-term forestry investments, 14131
- Schwirian, Richard E., single-phase induction electromagnetic pump, 9909
- Scibbe, Herbert W., rolling-element fatigue life of SAE 52100 steel hollow balls, 6879
- Science:
- academic, Federal support in universities and colleges, 13011, 17057
 - academic science, degree profile and Federal contributions to universities, etc., 14560
 - Academy of Medical Sciences, USSR, nominations, 5022
 - Academy of Sciences, Armenian SSR, annual meeting evaluates recent work, 9636

Science—Continued

- Academy of Sciences, Azerbaydzhan, annual meeting, 1966 activities discussed, 9668
- Academy of Sciences, Bulgaria—
 history and achievements, 6557
 interview with Deputy Chairman, 6480
 Vice President Vladimir Georgiyev interview, 4991, 6480
- Academy of Sciences, Kazakh SSR—
 activities, 12677
 dissertations defended by scientific co-workers, list, 11246
 projects planned, 12753
 scientific research, resolution, 4965
- Academy of Sciences, Latvia, biographies of members, 1163
- Academy of Sciences, Moldavian SSR, work reviewed, 8272
- Academy of Sciences, Rumania, astronomical observatory, activities, 1290
- Academy of Sciences, Tadzhik SSR—
 Department of Biological Sciences, newly elected members, 16785
 young scientists conference, 14254
- Academy of Sciences, Ukrainian SSR, organization of comprehensive research, 5399
- Academy of Sciences, USSR—
 All Union Entomological Society, activities, report, 2471
 Departments of Biochemistry, Biophysics, and Chemistry of Physiologically Active Compounds, annual convention, 12745
 elections of biomedical scientists, 1331
 new members, 2440
 reports, 6579
 seminars discuss latest concepts in philosophy and science, 1291
 vestnik (periodical), 4037
- Academy of Sciences, Uzbek SSR, work reviewed, 8272
- agricultural science in science community (address), 10160
- agricultural science review 3001
- American manpower, 1964, report of National Register of Scientific and Technical Personnel, 5223
- analysis of scientific thought, USSR study, 1298
- applied, and technological progress, panel report—
 committee print, 16342
 hearing, 15049
 print additional copies, report, 16263
- aquatic, graduate educational grants, 1967-68 academic year, 1077
- aquatic sciences in Great Lakes area, 2241
- assistant, examination announcement, 7545
- astronautics and aeronautics, 1965 chronology, 1441
- Bulgaria—
 new pay scales for scientific workers, 1303
 progress, 1967 program, 6494
 scientific organizations operating under their own accounting systems, 6586
- classification, Library of Congress, 9749
- cold regions science and engineering, environment, 1756, 14793-794
- colleges and universities, resources, 1964, expenditures and Jan. 1965 employment, preliminary report of survey, 2762
- Communist China translations, 3952
- Communist Chinese abstracts, 3114-23
- contemporary philosophical and applied problems, USSR studies, 2445
- contributions to Federal crime insurance, 16437
- control sciences—
 cybernetics in system, USSR study, 9660

INDEX 1967

Science—Continued

control sciences—continued
 principles applied to biology and medicine, USSR studies, 1322
 coordination for needed production, USSR study, 1262
 course and curriculum improvement projects, 5324
 creative quest, USSR editorial, 16763
 development, integrated study, USSR, 9674
 development, Soviet-Polish symposium, 15411
 earth sciences—
 Communist Chinese abstracts, 3118
 East European abstracts, 3220
 East European abstracts, 3217-24
 education and government surplus material, 14186
 education, and junior college, report 16343
 education program, Naval Research Laboratory, 17097
 environmental sciences, program decisions (address), 1937
 exchanges, agreement with Union of Soviet Socialist Republics, 7182
 facilities, planning, design, and construction, literature, list, 14561
 Federal careers, examination announcement, discontinuance notice, 17459
 Federal careers in physical sciences, examination announcement, 1924
 supplement, 5933
 future international meetings, world list, 4073
 Government scientific reports, standard for descriptive cataloging, 6245
 information systems, nonconventional, in current use, descriptions, 11623
 instruction, financial assistance guidelines under NDEA, 13956
 international notes (periodical), 3439
 international scientific programs, participation of Federal agencies, report, 6044
 introductory, USAPI exercise book, 7845
 Latvia, State prize candidates in science, USSR announcement, 12683
 materials, importation agreement—
 implement—
 hearing, 951
 law, 371
 reports, 653, 655, 903
 text, 5549
 NASA, scientific reports for 1966, selected listing, 12884
 national defense education act, loans to private nonprofit elementary and secondary schools for equipment and materials, 1007
 natural, development in Bulgaria, role of Communist Party, 9th congress, 2465
 natural science, philosophical problems, subjects for research, USSR list, 16779
 new Hungarian candidates appointed, 9632
 Panel on Science and Technology, 8th meeting—
 papers, 12315
 proceedings, 9170
 papers, contributions from History and Technology Museum, title page, contents, and index, 14529
 partnership between Federal Government and American universities in financing scientific enquiry (remarks), 7211
 philosophical development of theories, USSR study, 5024
 physical sciences—
 national standard reference data system, extend service—
 hearing, 12405
 reports, 10601, 14956
 research objectives, 1967, OAR, 7336
 technician, examination announcement, 1910

Science—Continued

physical sciences—continued
 trainees for vacation work-study programs, examination announcement, 17460
 policy studies, review and forecast, 2059
 radio science (periodical), 3803
 radio science, journal of research, National Bureau of Standards, 2736
 reviews of data on resources, 2762, 5325-26
 role, increasing in our era, USSR study, 15419
 science and Air Force, history of AFOSR, 7335
 science and America's beauty, 15841
 science, and city, 6432
 science and consumers, 15840
 science and criminal justice—
 symposium, 11699
 task force report, 11704
 science and engineering, fact and fiction (address), 213
 science and engineering staff in universities and colleges, 1965-75, prospective manpower situation, 14563
 science and food for freedom, 13217
 science and improving our environment, 14738
 science and saving water and soil, 15842
 science and sea, 11649
 science and technology for mankind's progress, 13454
 science, foreign affairs, and State Department (address), 14671
 science, government, and public policy, Government-science relationships during 89th Congress, 13716
 scientific age, education and change (remarks), 17401
 scientific and technical information (USSR periodical), 1324, 3852
 scientific application of cybernetics in military science, USSR study, 1197
 scientific cooperation with Italy, agreement, 17231
 scientific information and documentation, dissemination in Rumania described, 14222
 scientific information need in medicine, USSR study, 15413
 scientific information notes, national and international developments, 3853
 scientific labor organization proves effective at Siberian mining institute, 14263
 scientific organization of work and training of industrial workers, USSR studies, 16752
 scientific organizations operating under their own accounting systems, Bulgarian decree, 5030
 scientific tests, publications, price list, 2804
 sociological problems of development, USSR review of new literature, 16787
 Soviet-Polish joint meeting, USSR study, 9658
 special foreign currency information program, 1967 list of translations in process, 7551, 17464
 student or classroom science project series, 4135-37
 surveys of science resources series, 2761, 9966
 teachers in Peace Corps, 5380
 teaching aid, portfolio of photographs, 17158
 teaching in public junior high school, 7909
 theoretical papers in hydrologic and geomorphic sciences (series), 2366
 today's science, tomorrow? (remarks), 135
 transnational business of science and technology (remarks), 9025
 underwater ships of science, USSR study, 8267

Science—Continued

- USSR—
 - abstracts, 4025-31
 - achievements, 14248
 - activities of academies reviewed, 8250
 - basic contemporary trends discussed by Academician Ya. V. Pevye, 8252
 - expansion in Soviet Republics, 12751
 - Lenin prizes, recipients, 9657
 - promoting development, 13374
 - recent progress, 1267
 - scientific and technical information service, organization, 2430
 - scientific education, measures outlined for improving, 14245
 - scientific establishments, activities, 2479
 - scientific information, development, 9613
 - scientific organizations—
 - activities, 15379
 - development, 1227
 - news, 1226, 6519, 9638
 - space program, 1962-65, goals and purposes, achievements, plans, and international implications, 4628
 - technical cybernetics, problems of control and information problems, 2427
 - visual and auditory materials of scientific character, circulation, agreement and protocol, 5546
 - Yugoslavia, economic reform, 6515
- see also names of sciences—also heading—beginning Scientific.
- Science Advisory Committee, President's, *see* President's Science Advisory Committee.
- Science and Astronautics Committee, House :
 - activities, 89th Congress, 4560
 - calendar, 3484
 - committee prints, 2057-59, 4560, 6043-44, 7755-56, 9169, 9171, 10676, 12315, 13716-717, 16342-343
 - hearings, 753-754, 10677, 12316, 13714-715, 15049, 17612
 - investigations and studies, aeronautics, outer space, other scientific research—
 - authorization, report, 7671
 - expenses, report, 10554
 - Panel on Science and Technology, 8th meeting—
 - papers, 12315
 - proceedings, 9170
 - reports, 7668-69, 10601, 10622, 14934
- Science and Technology, Federal Council for, *see* Federal Council for Science and Technology.
- Science and Technology Office :
 - appropriations, 1968—
 - hearings, 9145, 15147
 - reports, 10600, 15131
- Science Research and Development Subcommittee, report, 2059
- Scientific Advisory Board, USAF, first 20 years, 11969
- Scientific and technical aerospace reports, 3850
- Government-wide index, 3381
- indexes, 3851
- Scientific and Technical Information Committee, standard for descriptive cataloging of Government reports, 6245
- Scientific and Technical Personnel, National Register, *see* National Register of Scientific and Technical Personnel.
- Scientific apparatus and instruments, exports, 1958-66, analysis, 15983
- Scientific photography, *see* Photography.
- Scientific research :
 - Academy of Sciences, Kazakh SSR, resolution, 4965
 - Air Force research—
 - articles, 15878
 - bibliography, 7304
 - and development base in Slovakia, 17876
 - animals in atomic research, uses, etc., 15977

Scientific research—Continued

- armed services support, investigation—
 - authorization, report, 6009
 - expenses, reports, 7677, 14979
- basic research, applied research and development in industry—
 - preliminary report, 5325
 - survey, final report, 2761
- Belorussian Scientific Research Institute of Animal Husbandry, achievements in 50 years of Soviet power, 15421
- careers, Agricultural Research Service, 17323
- coordinating problems, Bulgaria, 2435
- cost accounting in—
 - organizations, USSR study, 1343
- scientific research institute, USSR, 16786
- economic and social effectiveness, factors contributing to increase, USSR study, 1206
- economic efficiency of, Rumania, 15381
- economics, discussion, USSR, 11274
- effectiveness and financing, USSR study, 1237
- Federal funds for research and development, geographic distribution, 13012
- federally generated technology, transfer, policy planning report, 10693
- funds for research and development, equitable distribution among States by Government agencies, hearings, 10839
- information retrieval system for research grants, Radiological Health Division, 7064
- information, single and united system construction, USSR study, 9646, 9675
- Interior Department programs, hearing, 17657
- manpower, impact of Federal policies, report and recommendations, 4650
- manpower, mobilization and utilization, hearings, 4652, 10869
- medical benefits from space research, 17948
- OSAR index of research results, 17342
- packaged Government research and development information for industry, list, 10438
- Polar Scientific Research Institute of Sea Fisheries and Oceanography, USSR, activities, 6551
- research grant programs in NIH, administration, report, 17575
- research grants of PHS, 1966, index, 8647
- Rumania, role of higher education, 14223
- scientific documentation sponsored by NSF, price list, 6916
- space research and development, by-products (address), 5280
- Ukrainian scientific laboratories, institutes, and botanical garden, gains noted, 14235
- United States-Japan Committee on Scientific Cooperation, 1st 5 years, 1961-66, major activities, etc., 13138
- use of computers in scientific experiments, USSR study, 11245
- use of isotopes and ionized radiation, 4940
- USSR—
 - industry and education cooperate, 8251
 - problems in financing, 16745
 - Soviet engineers reply to questions on role of their specialties, 6561
 - YUZ students urged to use economic approach, 16746
 - Yugoslavia, economic reform, 6515
- see also subjects.
- Scientific Research Institute of Epidemiology and Microbiology, Moscow, *see* Moscow Scientific Research Institute of Epidemiology and Microbiology.
- Scientific societies :
 - cadres, selection, distribution and structure outlined, USSR book excerpts, 15393

Scientific societies—Continued

- Hungarian organizations, news, 2455
- Moscow Naturalist Society, Biophysics Section, activity, 4971
- Soviet organizations, news, 2436
- Scientists:
 - Belorussian, more needed to train specialists in microelectronics and bionics, 1271
 - biomedical, elections to Academy of Sciences, USSR, 1331
 - brain drain into United States, staff study, 15029
 - Bulgarian, role in radiation biochemistry, crystal chemistry and cybernetics, 1159
 - contributions in hygiene, physiology, and scientific organization of labor, USSR study, 16767
 - current employment market, 4727
 - employment in industrial research, etc., 1965, preliminary report, 5325
 - employment in State governments, 15450
 - evaluation criteria, quality and quantity of publications, 1709
 - how to become scientist (remarks), 10307
 - Hungarian, news, 2455
 - impact of Federal research and development policies upon scientific and technical manpower, report and recommendations, 4650
 - Public Health Service, career opportunities, 8652
 - Pugwash conference, 16th report, 1234
 - recruitment of potential scientists, USSR study, 16764
 - salaries and selected characteristics, 5326
 - scientific manpower utilization, hearings, 4652, 10869
 - scientific-pedagogical personnel, increasing reserves, USSR study, 11276
 - scientists from abroad, 1962-64, as immigrants, educational exchange students, etc., 9966
 - Tadzhik SSR Academy of Sciences, conference, 14254
 - USSR—
 - benefits and improvements, 4982
 - biographic sketches, 1330
 - brain composition and function studied by Soviet scientists, 8271, 9610
 - news, 9638
 - obituaries of 8 Soviet scientists, 1204
 - outstanding scientists honored, 1190
 - research and activities reviewed, 14264
 - satellite meteorology papers, 4986
 - Uzbek, contributions to Republic's development outlined, 12671
 - young scientists look at food, nutrients, etc., 12561
 - see also Agricultural research scientists.
- Scintillation survey meters, see Radiation detection instruments.
- Scipio, L. Albert, structural design concepts, some NASA contributions, 16932
- Sclerometers, pendulum sclerometer for surface hardness studies, 11381
- Sclerosis, see Multiple sclerosis.
- Scoggins, James R., sphere behavior and measurement of wind profiles, 11537
- Seola, Francis P., clinical evaluation of stannous fluoride, etc., 14319
- SCORE, see Service Corps of Retired Executives.
- Scotland, infant and perinatal mortality, 5466
- Scott, Charles E., jr. industry wage survey, fertilizer manufacturing, 12774
- Scott, David W., art of Stanton Macdonald-Wright, introduction, 11595
- Scott, Herbert E., M-1 engine subscale injector tests, 12959
- Scott, W. Wayne, angular distribution of thick-target bremsstrahlung which includes multiple electron scatterings, 14466
- Scott, Walter N., toxicity of monomethylhydrazine on frog cornea, 10242

- Scott, Wlston W., Jr.:
 - design and operation of high voltage calibration facility, 5292
 - standard for accurate phase-angle measurements at audio frequencies, 6924
- Scotton, Donald W., operating costs and ratios, retail, 5493
- Scouring and combing plants, see Wool.
- Scrap:
 - automobile disposal, national problem, case studies, 8336
 - consumption and stocks at brass and wire mills, mineral industry survey, monthly, 3062
 - iron and steel, Southeast, sources, consumption, etc., 12797
 - metals, temporary suspension of duties, continue—
 - law, 12180
 - reports, 7730-13801
 - vanadium, molten-salt electrorefining, 17916
- Screens (projection):
 - physical and optical properties, 7024
 - raster screens, optical instruments, USSR, 6505
- Screw-seal performance in vacuum environment, 6885
- Screw threads, holding fixture facilitates pipe thread gage measurements, 8474
- Screwworms:
 - barrier program, facts, 15827
 - keeping screwworms out of United States, questions and answers, 10156
- Scribing low force, film coating permits, 6772
- Scrub oak, see Oak.
- SCS, see Soil Conservation Service.
- Scuba, see Aqualung.
- Scull, J. R., spacecraft guidance and control, 6730
- Sculpture and statuary, statute of Dennis Chavez, acceptance, proceedings, 4570
- Scyllac, Ad Hoc Panel on, see Ad Hoc Panel on Scyllac.
- SD series, 16474
- Se habla espanol, help for Spanish-speaking youngsters, 13964
- Sea, see Ocean—Water pollution.
- Sea anemones, burrowing acontiate anemone, new California species, 6952
- Sea cucumbers, psolid holothurian genus *Lisothuria*, 8550
- Sea food:
 - irradiation pasteurization, effect on microbial flora surviving, 1800
 - radiopasteurization, shipboard irradiator studies, annual report, 5791
 - recipes, low-calorie, seafood slimmers, 8026
- Sea, Freedom of the, see Freedom of the seas.
- Sea grant colleges, see Colleges and universities.
- Sea ice, physical properties, understanding variations, 15931
- Sea level, elimination of rocket engine asymmetric loads during tests, 6831
- Sea mink, see Minks.
- Sea nettles, see Jellyfish.
- Sea otters, protect, law, 416
- Sea urchins:
 - echinoids of Dominica, 5316
 - new echinoid from Cretaceous Pierre shale of eastern Wyoming, 2363
- Sea water:
 - air bubble properties at air/sea interface, influence of surface-active material, 17088
 - contamination of Navy fuel oils, microwave monitoring, 15637
 - deposition of barium sulfate from sea water in oil-well rotary pumps, 11386
 - desalination—
 - A-B-seas of desalting, 4912
 - agreement with Union of Soviet Socialist Republics, 11841
 - and energy development, etc., policy considerations, 15969

Sea water—Continued

desalination—continued
 appropriations, expand program, etc.,—
 hearing, 9322
 law, 12172
 reports, 10361, 10753
 by electrosorption and desorption, 6445
 conceptual design of desalination
 plant—
 and test module, 8216
 replacement for demonstration plant
 at Point Loma, San Diego, Calif.,
 15330
 250 MGD plant, 2396
 demonstration plants corrosion test
 program, 9594
 desalting for Athens, Greece, prelimi-
 nary study, 10314
 desalting versus conventional water sys-
 tems in Texas, cost calculating proce-
 dures and methods, 12645
 direct freeze separation using refriger-
 ant R-C318, 12644
 distillation equipment, USSR diagram,
 etc., 11270
 foam fractionation, 12642
 international symposium, proceedings,
 9857, 11214-215
 liquid-liquid heat transfer, 14200
 nuclear energy for water desalting, bib-
 liography, 12014
 policy considerations (remarks), 10313
 report, 11216
 Texas, potential contribution to future
 water supply, 15328
 thermophysical properties of saline
 water systems, 12643
 USSR technical publications, transla-
 tions, 13313
 desulfation processing, preliminary studies,
 6688
 horizontal spray film evaporator, heat
 transfer coefficient and evaporating scal-
 ing tendencies, 6440
 hot, corrosion in, in experimental loop
 apparatus, investigation, 15326
 mass transfer properties, 2393
 nuclear power-desalting combination proj-
 ect—
 hearings, 7749, 7813
 laws, 375, 10487
 reports, 675, 6078, 7731, 9125
 nucleation and growth of ice crystals, 6442
 salt water distillation facilities, federally
 owned, sale to government of Virgin
 Islands, Virgin Islands Corporation, In-
 terior Dept., General Services Adminis-
 tration, GAO review, 8146
 temperature and density, Pacific Coast,
 17466
 temperature, frequency spectrum of short-
 period fluctuations, USSR study, 1180
 thermal distillation, fundamentals of
 theory of marine evaporators, 17390
 Seabees, naval construction battalions, 25th
 anniversary, commemorative medal, law,
 487
 Seabirds, see Water birds.
 Seaborg, Glenn T.:
 addresses, etc.—
 Oct. 23, 1966, 134
 Oct. 24, 1966, 133
 Nov. 2, 1966, 132
 Nov. 3, 1966, 135
 Nov. 8, 1966, 1815
 Nov. 17, 1966, 130
 Dec. 13, 1966, 1818
 Jan. 10, 1967, 4243
 Jan. 13, 1967, 4244
 Jan. 19, 1967, 4240
 Jan. 27, 1967, 4247
 Feb. 6, 1967, 4246
 Mar. 1, 1967, 5799
 Mar. 3, 1967, 7439
 Mar. 29, 1967, 7438
 Apr. 25, 1967, 8915, 8918

Seaborg, Glenn T.—Continued

addresses, etc.—continued
 May 9, 1967, 10307
 May 11, 1967, 10315
 May 12, 1967, 10310
 May 26, 1967, 10306
 May 31, 1967, 10305
 June 5, 1967, 10318
 June 9, 1967, 10319
 June 26, 1967, 12021
 July 3, 1967, 12022
 July 5, 1967, 12023
 Aug. 31, 1967, 15972
 Sept. 9, 1967, 15970, 15975
 Sept. 19, 1967, 15976
 Sept. 27, 1967, 15974
 Oct. 19, 1967, 17404
 Oct. 22, 1967, 17401
 Oct. 23, 1967, 17402
 Seafaring wage rates, Atlantic, Gulf and
 Pacific districts, 14313
 Seafood, see Sea food.
 Seal of United States, see Seals (numis-
 matics).
 Seal-off assembly permits rapid evacuation of
 air from containers, 1450
 Sealab Project, see Project Sealab (man-in-
 the-sea, program).
 Sealants, see Sealing compounds.
 Sealers, Federal item identification guides for
 supply cataloging, supplements, 3290
 Sealift, see Transportation.
 Sealift magazine, 3854
 Sealing:
 chemical sealing of soils, feasibility study
 17849
 refractory metals by vapor deposition,
 14432
 self-sealing closure enables access, 14417
 silver plating technique seals leaks in thin
 wall tubing joints, 6699
 Sealing compounds:
 depth control of potting compound for
 honeycomb sandwich fasteners, study,
 6834
 sealants, survey, 5193
 Seals (animals):
 fur seals, Pribilof Islands, protect and con-
 serve, law, 416
 Northwest Atlantic Fisheries Convention,
 multilateral understanding, protocol,
 2896
 pelagic fur seal investigations, 14062
 Seals (numismatics):
 Federal Aviation Agency, FAA regulations,
 11003-4
 great seal of United States, control—
 law, 511
 report, 4583
 seal of President of United States, control,
 report, 4583
 Senate, history, 2080
 Seals and glands:
 cryogenic seal remains leaktight during
 thermal displacement, 12837
 face contact seal in liquid sodium perform-
 ance improved by incorporation of spiral-
 groove geometry, 11505
 impregnated mechanical carbons, wear and
 friction at temperatures to 1400° F in
 air or nitrogen, 9915
 large seals fabricated from small segments
 reduce procurement lead time, 1461
 screw-seal performance in vacuum envi-
 ronment, 6885
 segmented, arch-bound carbon seal is pres-
 sure loaded, 16959
 static seal concept to accommodate seat
 tolerances, 15549
 static seal provided by combination spacer
 and gasket, 2630
 vacuum chamber remotely sealed by eutec-
 tic metal, 11390
 visco seal design offers zero-leakage, etc.,
 8470

INDEX 1967

- Seamans, Robert C., Jr., address, July 14, 1966, 2733
- Seamen, *see* Sailors.
- Seamless tube production, USSR, 2467
- Seamounts, internal magnetization and its computer calculation, 12612
- SEARCH, administrative research bulletin, 11890
- Search and rescue operations for U.S. private pilots missing in foreign areas, hearing, 16329
- Search radar, *see* Radar.
- Searches and seizures, law of search and seizure, handbook, 12763
- Searcy, James K., use of riprap for bank protection, 14640
- Seas, *see* Inland seas—Ocean.
- Seas, Freedom of the, *see* Freedom of the seas.
- Seasonal changes among endocrine-metabolic indices of men residing in subtropical climate, 7358
- Seasonal variations (economics) :
X 11 variant of census method II seasonal adjustment program, 5902
- Seat belts, *see* Automobile seat belts.
- Seaton, Stuart L., gas density measurements using light scattering, 11490
- Seats :
aircraft ejection-seat system, foreign produced, procurement by Defense Department, GAO review, 4881
aircraft passenger seat cushions, flotation characteristics, 137
aircraft passenger-seat-system response to impulsive loads, 17388
automotive seat backs, padding, Federal standard, 6329
automotive vehicles, anchorage, Federal standard, 6320
stadium seating, market analysis, 14132
- Seattle, Wash., area wage survey, 6609
- Seaweeds, control, law, 434
- SEC, *see* Securities and Exchange Commission.
- Sechi, AIC 61C, lunar chart, 7325
- Seckler-Hudson, Catheryn, Federal textbook on citizenship, our Constitution and Government, 12631
- Seeborhital, hangover effect on simulated pilotage performance, 7364
- Second breakdown in semiconductor devices, bibliography, 18082
- Second look, progress report on Federal employment of mentally retarded, 16083
- Secondary education :
elementary and secondary education act—amendments of 1966—
administration of programs, notes and working papers, 10865-867
law, 462
amendments of 1967—
hearings, 7742, 9153, 12419, 17664
reports, 9118, 10557
annual report under title 1, 7890
ESEA amendments, what's new, 6198
grants, application forms, instructions under title 1, 16503
grants, guidelines under title 2, 16513
handicapped children, State plan programs guidelines, 10933
PACE, projects to advance creativity in education, supplementary services and centers, 2189, 7915, 10940-911, 17723
profile, 9406
striding for better schools under title 1, 16511
title 1, school year 1965-66, highlights, 15218
- Israel, modern system, national development, 6187
- offerings for academically and culturally deprived pupils (address), 7903
- space oriented geometry, supplement, 8513
- Secondary schools, *see* High schools—Secondary education.
- Secretaries :
opportunities in State Department, 11831
opportunities in Washington, D.C., Internal Revenue Service, 11223
overseas opportunities, State Department, 8722
so you want to be a secretary, 15207
- Secretary of Senate, *see* Senate.
- Securities :
act of 1933—
amended, 11784
general rules and regulations, 5484
releases, SEC, 3856
corporate equity ownership and in corporate takeover bids, full disclosure—
hearings, 13846
report, 15133
foreign government obligations, purchase by Federal reserve, authorize—
hearing, 7800
report, 9281
foreign, interest equalization tax act, extend—
digest of testimony and statements, 9176
hearings, 6047, 13859
law, 13539
legislative history, 15052
reports, 7670, 7708, 13689, 13823
income tax treatment of certain straddle transactions, report, 2024
issued by State and local governments, authority of national banks to underwrite, hearings, 16396
member State banks, Federal reserve regulation, 11057
redeemable, list, 11051
traded on exchanges, annual listing, 11785
quarterly supplement, 3858
transactions and holdings, 3653
see also Government securities.
- Securities and Exchange Commission :
appropriations, 1968—
hearings, 9145, 15147
reports, 10600, 15131
companies filing annual reports directory, 13112
decisions and reports, bound volume, 8676
general rules and regulations under securities act of 1933, 5484
general rules and regulations under securities exchange act of 1934, 11782
investment advisers act releases, 3444
investment company act releases, 3445
member, nomination of Richard B. Smith, hearing, 9307
news digest, 3630
releases, 2983, 3153, 3399, 3516, 3856-57, 3901, 3979
report, 1966—
departmental edition, 5483
document edition, 4484
report on public policy implications of investment company growth, report, 2035
rules of practice, rules relating to investigations and code of behaviour governing ex parte communications, 11783
statistical bulletin, 3899
work, 5485, 15727
- Securities exchanges :
act of 1934—
amend—
hearings, 13846
report, 15133
companies filing annual reports, directory, 13112
general rules and regulations, 11782
releases, SEC, 3857
code of Federal regulations, 12524
- Securities investigators, examination announcement, discontinuance notice, 7543
- Security, *see* Military security—National defense—National security.

Security of vessels and waterfront facilities, 10448
 Security warning system monitors up to 15 remote areas simultaneously, 2665
 Sedan project 62.80c aeroradiation survey, 12002
 Sedatives, *see* Hypnotics and sedatives.
 Sedgewick, C. H. Wallace:
 crude petroleum and natural gas, 5847
 oil and gas extraction, 7465
 oil and gas field services, 1854
 Sediment porosity meter, feasibility study, 10303
 Sedimentary rocks:
 Colorado, Kansas, Montana, etc., chemical composition, 14172
 gold-bearing, in northwest Wyoming, preliminary report, 9569
 mass properties, and gravimetric effects of petroleum and natural gas reservoirs, 12608
 mass properties as related to petroleum exploration (series), 12608
 Sedimentation and deposition:
 Cacho Creek drainage basin in coast ranges west of Sacramento, Calif., sediment transport, 11181
 deposition of barium sulfate from sea water in oil-well rotary pumps, 11386
 flood of Dec. 1964 on Coffee Creek, erosion and deposition, 17823
 Mississippi River Delta, monitoring agricultural pesticide residues, preliminary report of studies, 4086
 petrology of sediments underlying areas of land subsidence in central California, 12607
 radioisotope gauge for monitoring suspended sediment concentration in rivers and streams, 1794
 sediment nearshore environment, instrumentation, by multipurpose data acquisition system, 16522
 sediment porosity meter, feasibility study, 10303
 sediment transport in alluvial channels (series), 11181, 16695
 sediment yields from high mountain watersheds, central Colorado, 2332
 See Hom Sheek, *see* Hom Sheek See, and wife.
 See the United States, program, extend through 1967, report, 9292
 Seed crops, *see* Crops.
 Seedbeds:
 density affects size of 3-0 green ash nursery stock, 14095
 prescribed burning improves Piedmont loblolly pine, 12582
 shortleaf pine seedling inventory methods on broadest-seeded areas, 8072
 Seedling, *see* Forest planting.
 Seedlings, coniferous, snow damage, 1091
see also names of plants or trees.
 Seeds:
 bitterbrush, measuring production on plants with variable crown density, 11122
 Federal seed act—
 amend. law, 400
 State noxious weed seed requirements in administration, 2138
 supplement, 2139
 field, acreage, yield, production, etc. U.S., 1960-64 crop years, 8755
 field seeds, supply and disappearance, crop years 1959-64, U.S., 5680
 foreign agriculture circulars, 3345
 fourwing saltbush, percentage fill, 11128
 seed crops—
 forecast, 3859
 prices, 3860
 stocks report, 3861
 seed fall and regeneration from group selection cut, 1st year results, 4840

Seeds—Continued
 size and germination of white pine seed collected at weekly intervals, 12680
 trees and shrubs, dealers' directory, 8125
 what producers, processors, distributors, and suppliers should do in national emergency, 1715
see also Grasses—*also* names of plants.
 Seeds-kadee National Wildlife Refuge, birds, list, 11086
 Seefeldt, August C., relief, 336, 603
 Seefeldt, Merritt A., relief, 336, 603
 Seegrist, Donald W., measuring bitterbrush seed production on plants with variable crown density, 11122
 Seeley, David S.:
 address, Nov. 16, 1966, 4718
 desegregation guidelines, 9398
 Segal, Dorothy B., index-catalogue of medical and veterinary zoology, 14-15, 13205
 Segel, L., rotor air loads, etc., caused by transient inputs of shaft torque as related to stoppable rotor operation, 13308
 Segmented, arch-bound carbon seal is pressure loaded, 16959
 Seidel, Kenneth W.:
 cordwood yields from thinnings in young oak stands in Missouri Ozarks, 2307
 shortleaf pine seedling inventory methods on broadest-seeded areas in Missouri Ozarks, 8072
 Selden, Jacob, research review, Office of Aerospace Research, 3827
 Seisdedos, Manuel Alpendre, *see* Alpendre Seisdedos, Manuel.
 Seismic waves, *see* Tsunami (tidal wave).
 Seismograms, principles underlying interpretation, 1935
 Seismology:
 Alaska research studies, engineering seismology, 12117
 Arctic seismological bulletin (periodical), 3032
 engineering seismology bulletin, 3793
 Parkfield, Calif., earthquake, report, 1934
 Parkfield-Cholame Calif., earthquakes of June-Aug. 1966, data, 9574
 seismic decoupling at nuclear level, project Dribble, Salmon event—
 earth vibrations from nuclear explosion in salt dome, 8911
 seismic velocity determination and distance measurements in salt dome, 1808
 timing and firing, 1810
 vent-gas treatment plant, 1809
 seismic reflection profiles along drill holes on continental margin off Florida, 15314
 seismicity of Yakutia, USSR book, 16769
 seismological bulletin (periodical), 3862
 South Pole-Byrd supplement, 3863
 Selby, Rose T., premium pay provisions for weekend work in 7 continuous-process industries, 5057
 Select Commission on Western Hemisphere Immigration, appropriations, 1967, supplemental hearings, 2040
 Selecting a harem and other applications of policy-capturing model, 15893
 Selections from Historic American Buildings Survey, 11616
 Selective service, *see* Conscription.
 Selective Service, National Advisory Commission on, *see* National Advisory Commission on Selective Service.
 Selective Service System:
 annual report, 2852
 appropriations, 1968
 hearings, 9145, 15147
 reports, 10600, 15131
 local board memoranda, 3521
 regulations, 3871
 special monographs, 11786-788
 Selenium:
 materials survey, 16854
 mineral market report, quarterly, 3872

Selenium rectifiers, *see* Rectifiers.
Self and service enrichment through Federal training, annex to report of Presidential Task Force on Career Advancement, 10030
Self-ordering control systems, 9617
Sellig, S. M., naval research logistics quarterly, 3606
Sellers, Bach:
 generation and practical use of monoenergetic X-rays from alpha emitting isotopes, 4234
 radioisotope gauge for monitoring suspended sediment concentration in rivers and streams, 1794
Selling, *see* Salesmen and salesmanship.
Selling to AEC, errata, 4245
Selling to military, 2158
Selling to Navy prime contractors, 17100
Sellmann, Paul V., geology of permafrost tunnel, Fairbanks, Alaska, 17378
Semenov, Nikolay, USSR academician, press interviews, 12706, 14233
Semi-active gravity gradient system, *see* Satellites.
Semiconductors:
 conference on production, Hungary, 9634
 devices—
 fabrication by transmutation doping, 12010
 high reliability screening, 9800
 process controls introduction of selected impurities into wafers, 16949
 second breakdown, bibliography, 18082
 tested without removing from circuitry, 2622
 ultrachemical analysis, status, 11467
Seminar on Intense Neutron Sources, proceedings, 13315
Seminar on Manpower Policy and Program, proceedings, 5041-45, 17886
Seminole County, Fla., soil survey, report, 2876
Semiotics, problems, cybernetics in service of Communism, USSR studies, 12742
SEMIRAD (secondary-electron mixed radiation dosimeters), *see* Dosimeters.
Semmler, R. A., isotopic X-ray sources for portable stress analysis equipment, 14809
Senate:
 appropriations, 1968, legislative—
 amendments, 13723
 hearings, 12398
 law, 13537
 reports, 13672, 13813
 calendar, executive, 3503
 calendar of business, 3487
 classification of United States Senators, 762
 committee funds authorized and expended for inquiries and investigations, staff study, 4659
 delegation—
 7th Mexico-United States Interparliamentary group meeting report, 12408
 9th meeting of Canada-United States Interparliamentary Group, report, 764
 10th meeting of Canada-Interparliamentary Group, report, 15058
 invitations from foreign governments, etc., President of Senate to respond, 10781
 journal, 89th Cong., 2d sess., 6050
 legislative employees, training opportunities, report, 16232
 manual, 10691
 office space, additional, hearing, 15176
 officers and employees, training under Government employees' training act, hearing, 16431
 seals, history, 2080
 Secretary Emery L. Frazier, tributes upon retirement, 2075
 Secretary, reports, 7768, 15060
 Senator Leverett Saltonstall, tributes upon retirement, 2077
 Senator Spessard Lindsey Holland, tributes commemorating 20 years of service, 765

Senate—Continued
 standing committees and committee assignments of Senators—
 89th Congress, list, 758
 90th Congress, list, 9179
 standing rules, study, authorization, report, 4612
 subcommittees, together with select, special and joint committees, list,—
 89th Congress, 2d session, 759
 90th Congress, 1st session, 7766
 telephone directory, 760, 10089
Senate bills, enactment into law, procedure, print revised edition, report, 12369
Senate documents, 761-767, 2067-80, 4569-73, 6051-63, 7768-70, 9180-83, 10690-702, 12320-323, 13720-724, 15055-61, 16347-550, 17615-617
Senate executive documents, 4574-75, 7771-72, 9184-86, 10703, 13725, 16351, 17618
Senate executive reports, 6064-67, 7773-75, 9187-90, 13726, 15062-64, 16352, 17619-620
Senate reports:
 private bills, 768-872, 2081-82, 4576-80, 9191-9263, 10704-725, 12324-358, 13727-758, 15065-73, 16353-358, 17621
 public bills, 873-936, 2083-2120, 4581-4627, 6068-87, 7776-89, 9264-98, 10726-795, 12359-395, 13789-837, 15074-143, 16359-886, 17622-632
Senators, *see* Senate.
Seneca Indians, morphology and dictionary, 13001
Senegal:
 agricultural economy in brief, 992
 background notes, 17215
 labor conditions, 2512
 mineral industry, minerals yearbook chapter, 8363
Seney National Wildlife Refuge, birds, list, 17778
Senior citizens, *see* Aged.
Senior Citizens Month, May 1967, guide to community action and year-round activity, 8802
Senra, Antonio J., and wife, relief, 532
Sense organs, sensory impairments, estimated range and cost of disability, 11745
Sensitivity:
 experiments, computer program simulates, 11439
 radiation, of structural steels, metallurgical variables as possible factors controlling, initial evaluations, 5357
 testing, of explosives, combination statistical design, 9754
 theory, application to space vehicle flight control systems, 12873
Sensors:
 acceleration, having various mounting characteristics, dynamic response to impact loadings, 11521
 attitude, for spacecraft, survey, 12882
 electrochemical carbon dioxide, 17354
 flow-test device fits into restricted access passages, 9840
 glow discharge density, probe life extended, 14430
 heat flux sensor design reduces extraneous source effects, 2656
 humidity, fluidic oscillator used for measuring, 8473
 image, transfer characteristics, plotter design simplifies, 12915
 in-flight ablation measurements of thermal-protection materials, 1494
 inertial testing, limitations produced by test platform vibrations, 1492
 measure surface ablation rate of reentry vehicle heat shield, 6758
 point-source light, circuit insensitive to background light, 2637
 polarographic oxygen, new electrolyte may increase life, 6740
 pressure, miniature capacitor devised, 6747

Sensors—Continued

- remote—
 - light sources for sensing systems, 16893
 - sensing, potential from space platforms, agricultural application, 15843
 - survey of detectors and dynamic calibration methods, 9809
- star sensor fields of view determined by analytical approach, 11537
- Sensory Aids and Prosthetic Service, Veterans Admin., see Prosthetic and Sensory Aids Service, Veterans Admin.
- Sensory deprivation:
 - effects of sensory deprivation on sensory, perceptual, motor, cognitive, and physiological functions, 8419
 - prolonged stage 4 and 1-REM sleep deprivation, comparison of effects, 15900
- Sensory diseases, see Sense organs.
- Sentences (legal):
 - appellate review, provide, report, 12394
- Separation processes:
 - heavy liquid cyclone, concentration of minerals, 12822
 - technique provides rapid quantitative determination of cesium-137 in irradiated nuclear fuel, 12845
- Sepsidae, see Flies.
- Sequential analysis, finite sequential machines, generalized decomposition theory, 18068
- Sequential machines, see Sequential analysis.
- Sequential tests, nonparametric, randomness in sequences, 5248
- Sequoia National Park, map, 5321
- Serial set (congressional), 247-249, 1967-69, 4458, 7587, 10473-475, 12141-142, 16119-121, 17486-489
- Serials:
 - catalog of copyright entries, 12432, 16451
 - new serial titles—
 - classified subject arrangement, 3626
 - union list, alphabetical arrangement, 3627
- Series, ISPO 1, 182, 1885, 4360, 5898-99, 7496, 10387
- Seris, H., measurement of low frequency vibrations in big helicopters and their transmission to pilot, 11564
- Serpan, Charles Z., Jr.:
 - neutron exposure criteria for evaluating embrittlement of reactor pressure vessel steels, 5355
 - neutron spectral considerations affecting projected estimates of radiation embrittlement of Army SM-1A reactor pressure vessel, 1554
 - through-thickness notch ductility and tension properties as function of neutron exposure to simulated pressure vessel wall of A 302-B steel, 17093
- Serpentine:
 - alpine type serpentinites, metasomatic reaction zones related to emplacement and formation, 17817
 - minerals, reevaluation of differential solution method, 8160
 - thermodynamic properties, 11387
- Serpukhov, Russian SFSSR, radiotelescope, construction completed, 8255
- Serum and serumtherapy:
 - human serum parameters for simulated altitude aerospace flights, change in—
 - albumin, gamma globulin, albumin/gamma globulin ratio, and A/G ratio, 8868
 - potassium, sodium and chloride, 7341
 - protein concentration, 7342
 - serum cholesterol levels of adults, 8661
 - serum glucose levels, periodontal status, 4178
 - serum ionic calcium measurement by use of specific ion electrode, 13271
- Servants:
 - Illinois labor laws relating to private-household workers, fact sheet, 10137

Servants—Continued

- social security—
 - coverage for household employees, 11795
 - good news for household workers, 7122
 - household employer's tax guide, 2401
 - household worker statistics, 2871
- Service, Alfred L., evaluation of western phosphate industry, and its resources, trends and outlook, 11371
- Service and regulatory announcements, Consumer and Marketing Service, 964, 6132
- Service contract act of 1965, see Government contracts.
- Service Corps of Retired Executives:
 - new ideas? ask SCORE, 13116
 - SCORE, general information, 18201
- Service establishments, retail and service enterprises and establishments under fair labor standards act as amended, 8788
- Service industries:
 - census of business, 1963, selected services, subject reports, bound volume, 8932
 - East European, translations, 3958
 - health service industry, technology and manpower, 1965-75, report, 11297
 - problems and prospects (address), 15985
 - Service records, see Military records.
- Service ribbons, Navy and Marine Corps, ribbons of decorations and awards (poster), 11663
- Service stations, gasoline, census of business, 1963, retail trade, 4270
- Service trades:
 - census of business, 1963, selected services, subject reports, bound volume, 8932
 - current selected services report, 7490
 - equipment, Federal item identification guides for supply cataloging, supplements, 3287
 - recordkeeping systems, bibliography, 2856
 - selected services, monthly receipts, 7490
- Service, USDA's report to consumers, 3873
- Servicemen, see Armed Forces.
- Services for Indians, 16517
- Services for you from USDA's Consumer and Marketing Service, 1711
- Services to public provided by Wage and Hour and Public Contracts Divisions, 1666, 8789
- Serving America as woman marine, 11341
- Serving those who serve children, 2532
- Servomechanisms:
 - hovering performance characteristics of rotor with and without blade-pitch servo-control flaps, 5260
 - quick-response servo amplifies small hydraulic pressure differences, 6696
- Sesco, Jerry A., stadium seating, market analysis, 14122
- Setien, Alberto J. Otelza, see Otelza, Alberto.
- Setun, see Electronic computers.
- Seven steps to equal employment opportunity, 4750
- Severance, Roger D., establishing business in Iran, 13467
- Severance pay, see Salaries.
- Severe Storms Laboratory, see National Severe Storms Laboratory.
- Sewier River and Valley, upper basin, ground-water conditions and geologic reconnaissance, 14180
- Servine, hog-lot equipment, 17312
- Sewage:
 - municipal waste treatment and future construction needs, Federal incentive grants, report, 8010
 - Potomac Interceptor sewer, increase Federal contribution to cost—
 - hearings, 13703, 13858
 - law, 17538
 - reports, 14995, 15101
 - sewerage systems, community, minimum design standards, 4908
 - treatment equipment, Federal item identification guides for supply cataloging, supplements, 3288

- Sewage—Continued
waste disposal systems, financial assistance to small towns and rural groups in Oklahoma, questions and answers, 7945
waste treatment, selected biological references, 8011
wastewater utilities, capital expenditures, 1964, distribution, 4260
water and sewer facilities grant program, HUD consumer bulletin, 17838
water and wastewater facilities, 1955-80, regional construction requirements, 17417
- Sewall, John L., vibration analysis of cylindrically curved panels, etc., 5263
- Sewall, Robert I., five-year market forecast for commuter railroad cars, 4261
- Seward, Alaska earthquake of Mar. 27, 1964, effects, 11175
- Sewerage, see Sewage.
- Sewers, see Sewage.
- Sewing:
by hand, teaching guide for home economics program aides, 7286
fix new clothes to make them last longer, 7287
simplified clothing construction, 14743, 17314
- Sewing machines, bag sewing operations, how to inspect chart, 9688
- Sex, discrimination in employment, laws, 17295
- Sex instruction:
family life and sex education—
articles, 16044
bibliography, 6184
goodbye to birds and bees, 10932
- Sextants, navigation measurements during lunar module rendezvous, analysis, 6903
- Sexual organs, see Generative organs.
- Seychelles:
background notes, 14667
capsule facts for Armed Forces, 15920
labor conditions, 5078
tracking stations, facility on Island of Mahé, agreement with Great Britain, 11847
- Seymour, Thomas H., fire and explosion prevention and protection, 8295
- SFCSI, special foreign currency science information program, 7551, 17464
- Shacklette, Hansford T., copper mosses as indicators of metal concentrations, 4886
- Shad, American, tagging summary, 8037
- Shadow box optical landing system, 11680
- Shafey, Sherif, relief, 9212, 12152, 12219
- Shafirin, Elaine C.:
critical surface tension for spreading on liquid substrate, 10006
effect of adsorbed water upon spreading of organic liquids on soda-lime glass, 18110
- Shafts, supercritical, on flexible supports, analysis of dynamics using transmission line analogy, 1773
- Shakers (apparatus):
use for determination of fixed base natural frequencies of shipboard equipments, 11673
vibrator elapsed time, automatically controlled, 15548
- Shale:
Chattanooga, investigations, 9783
- Pierre—
stratigraphy, paleontology, and sedimentation of classic reference locality (series), 2363, 8161
upper Cretaceous gastropods, Red Bird, Wyo., 8161
upper Cretaceous, Red Bird section, Wyo., 2363
see also Oil shale.
- Shale oil, specific gravity from Colorado's Green River formation, 2587
- Shambon, Arthur, spectral energy distribution of unfiltered X-rays from 250 kV constant potential machine, 1789
- Shanghai, China, Municipal Bureau of Machine and Electrical Industries, product standards, Communist China, 12759
- Shanholitz, V. O., computer systems for reduction and analysis of hydrologic data, 13197
- Shannon, Ira L.:
Carlson-Crittenden device for collection of human parotid fluid, 10240
dental caries status of U.S. Air Force enlistees, 7353
effect of—
rate of gland function on parotid fluid uric acid levels, 11959
uricosuric drug administration on uric acid levels in unstimulated parotid fluid, 11960
hyperhydration and parotid flow in man, 7349
mental exercise effect on parotid flow rate, 11963
parotid fluid flow rate and periodontal status in human, 11965
parotid versus extra-parotid flow in human, 11961
periodontal status in relation to parotid fluid and serum glucose levels, 4178
rapid transfer of cortisol from bloodstream to parotid fluid, 11962
- Shanny, Ramy A., numerical experiments in plasma physics, 1791
- Shapers (tools):
wood shaper, how to inspect chart, 9692
- Shapes (metal):
Federal item identification guides for supply cataloging, supplements, 3288
- Shapes of tomorrow, supplement in space oriented geometry for secondary levels, 8513
- Shapiro, H., synthesis of higher order hydrocarbons on hot tungsten filaments, 8504
- Shapiro, Karl, Randall Jarrell, lecture, 12780
- Shardanand, absorption coefficients of O₂ at oxygen windows, 18050
- Share-cropping:
employer-employee relationships in agriculture sharecropping—
arrangements or landlord-tenant agreements under fair labor standards act, guide, 13176
arrangements provide for shares of crops as rental payments in farm operations, 7223
- Sharkey, Andrew G., jr.:
analytical methods of mass spectrometry, 11351
comparison of products from high-temperature irradiation and carbonization of coal, 2572
- Sharks:
calligoid copepods parasitic on sharks of Indian Ocean, 6958
genus *Isurus*, revision and description of new species, 6946
hammerhead sharks (family Sphyrnidae), revision, 9932
- Sharp, Ulysses G., testimony, 16394
- Sharpnack, David A., predicting volumes in 4 Hawaii hardwoods, 1st multicariate equations developed, 8084
- Shaw, Byron B., use of quality and quantity of publications as criteria for evaluating scientists, 1709
- Shaw, Henry L., history of Marine Corps operations in World War II central Pacific drive, 12783
- Shaw, Van E., extraction of euxenite metal values by fusion with ammonium sulfate or ammonium bisulfate, 6685

- Shaw, William H.:
nomination, hearings, 6094
remarks—
Oct. 24, 1966, 235
Nov. 22, 1966, 1966
Feb. 7, 1967, 5950
Feb. 23, 1967, 5949
Mar. 18, 1967, 7565
Mar. 28, 1967, 7570
May 11, 1967, 10453
Aug. 3, 1967, 13453
Oct. 23, 1967, 17471
- Shawe, D. R., bedded barite in East North
umberland Canyon, Nye County, Nev.,
16689
- Shawnee County, Kans., geology, 11161
- Shea, John J., relief, 10536, 13510, 13755
- Shea, Timothy J., and wife, relief, 831,
13730
- Shear (mechanics):
combined effects of buoyancy and shear on
weak homogeneous turbulence, 11542
- Shearer, Raymond C.:
development of ponderosa pine progeny in
western Montana, 6365
isolation limits initial establishment of
western larch seedlings, 14088
performance of 14-year-old pinus ponder-
osa hybrids in western Montana, 8067
- Shearin, John G., experimental simulation of
reaction jet damping and attitude control
system for spinning body, 8485
- Sheck See Hom, see Hom Sheck See, and
wife.
- Shedd, Edward S., electrowinning and tap-
pling of lanthanum metal, 2586
- Sheep:
bluetongue incidence, 13
on feed, 5556-57, 5681, 8759
scabies, eradication, methods, etc., 5666
stocker and feeder, shipments, 3875
- Sheep ranges, see Range lands.
- Sheet glass, see Glass.
- Sheet metal:
Federal item identification guides for sup-
ply cataloging, supplements, 3288
sheet-metal ware, making, classification
definitions, 17104
titanium alloy sheet, fracture toughness,
11552
- Sheet-plastic, thin plastic sheet eliminates
need for expensive plating, 6836
- Sheets, current industrial reports, 4339-40,
12680, 17435
- Sheffer, Herman W., mineral industry of
Utah, 5121
- Sheffield, George V., Livermore 1-2 stellera-
tor, 13329
- Sheibley, Dean W., infrared spectra of metal
oxides, 2723
- Shiefer, Victor J., white-collar pay supple-
ments, expenditures of employers in pri-
vate industry, 6620
- Shekarchi, E.:
mineral industry of—
Ceylon, 8344
Cyprus, 6618
Iran, 8353
Pakistan, 8361
Turkey, 8369
- Shelby County, Tenn., employment, adminis-
tration of justice, and health services, civil
rights report, 14851
- Shellfish:
Alabama landings, 3024, 16616
buying guide, and recipes for school
lunches, quantity amounts, 15257
California landings, 3073
Florida landings, 3338, 16611
Georgia landings, 3378, 16613
Louisiana landings, 1075, 3530
Maine landings, 3533, 12541
Maryland landings, 3545, 17770
Massachusetts landings, 3546
by ports, summary, 12543
- Shellfish—Continued
Mississippi landings, 3564, 16615
New Jersey landings, 3621, 12540
New York landings, 3628, 14954
North Carolina landings, 3638, 17771
Oregon landings, 17769
Pacific Coast fisheries, annual summary,
9510
poisoning, feasibility of mass outdoor cul-
tivation of Gonyaulax catenella, 15684
production areas, national register, 7078
radiation pasteurization, summary report,
13341
Rhode Island landings, 3836, 12542
sanitation research, Northwest planning
conference, proceedings, 15683
shipper, list, 3089
situation and outlook (periodical), 3874
South Atlantic fisheries, annual summary,
9505
South Carolina landings, 3884, 16614
Texas landings, 3934
Virginia landings, 4038, 16618
- Shells (aircraft):
spherical closed sandwich shells, natural
frequencies, determined by computer
program, 16939
stiffness matrix solution for shells of revo-
lution processing variable thicknesses
heat protection, 11514
- Shells (ordnance):
excise taxes, amend internal revenue code,
reports, 2027, 7698
- Shells (structural):
axially symmetric response of elastic cy-
lindrical shell partially filled with
liquid, 6907
computer program for finite-difference solu-
tions of shells of revolution under asym-
metric loads, 11497
configuration modifications effects in aero-
dynamic characteristics of tension shell
shapes, 14475
conical, truncated—
prebuckling deformation influence on
buckling load, 5187
sundwich and ring-stiffened, subjected
to external pressure, effect of edge
constraint on buckling, 11417
cylindrical, thermoelastic and viscoelastic
sandwich construction equations, 1436
deformation of shallow spherical sandwich
shells under local loading, 6895
eccentrically stiffened shallow shells of
double curvature, 6873
nonlinear problems, incremental procedure
for solution, 2727
paraboloidal shells of revolution, dif-
ferential equations of axisymmetric vi-
bration, 17946
tension shell and blunted 100° conical
shapes for unmanned entry vehicles,
transonic aerodynamic investigation,
1504
vibration and buckling of prestressed
shells of revolution, 6878
see also Tension shells.
- Shells (toroidal):
pressurized—
investigation, 11454
vibration study, 16907-908
- Shelter belts:
northern Great Plains, 1689
tree planters' notes, 1099, 8125-27
- Sheltered workshops, pathway to regular
employment, 6593
- Shelters, see Picnic shelters.
- Shelters (protective), see Protective shelters.
- Shelterwood method for regenerating sand
pine, 9539
- Shenandoah (USS):
deployment to Malta, agreement, 2904
- Shepard, Charles E., study of artificial
meteors as ablaters, 8480

Shepard, Harold H. :
 fertilizer supply, 5819
 pesticide review, 20
 Shephardson, Chas. N. :
 remarks—
 Nov. 3, 1966, 1061
 Nov. 11, 1966, 1069
 Mar. 8, 1967, 6298
 Shepherd, C. M., high-rate batteries, 8596
 Sheppard, Harold L., worker attitudes in job seeking, 1021
 Sherer, D. G., fast reactor transient response and safety in selected accidents, 5772
 Sheridan, Douglas M., geology and uranium deposits of Ralston Buttes district, Jefferson County, Colo., 15308
 Sheridan, Eugene T., advance data on coke and coal chemicals, 15462
 Sheridan, Matthew J. :
 mineral industry of Nebraska, 2559
 urbanization and its impact on mineral aggregate industry in Denver, Colo., area, 6637
 Sherman, May, congenital heart disease, review of research grants supported by National Heart Institute, 13677
 Sherrill, William W., nomination, hearing, 9308
 Sherwin, C. W., 1st interim report on Project Hindsight, summary, 7557
 Sherwin, Chalmers W., address, May 3, 1967, 10457
 Sherwood, T. K., research on saline water conversion by freezing, 9593
 Sherwood Island State Park, behavior of beach fill and borrow area, 13976
 Shevchenko, Russian SFSR, distillation desalination equipment, diagram, equipment design, etc., 11270
 Shielding :
 ablative heat shield materials for X-15-2, arc-tunnel evaluation, 5238
 fallout radiation shielding, 14847
 irradiation of natural animal populations, design of shielded source, 1782
 radiation, applied to nuclear defense planning, analysis and design principles, 4384
 reactor shielding physics, problems, 12972
 shelter through architectural design, shielding requirements influence on form, 8981
 see also Heat shields.
 Shields, Joseph J., longwall mining in bituminous coal mines with plauers, shearer-loaders, and self-advancing hydraulic roof supports, 6638
 Shields, Ruth H., depth of flash optical landing system, 13002
 Shields, William R., Analytical Mass Spectrometry Section, activities, 17041
 Shields :
 inert gas, monitored by portable spectrometer in welding process, 16960
 welders' hand-held shield, military standard, 9372
 Shigella, comparison of differential agar with Sellers citrate-mannitol-agar, 10233
 Shigo, Alex L., defects in birch associated with injuries made by *Xyloterinus politus* Say, 4833
 Shiller, William R., dental caries increments evaluated by use of bite-wing roentgenograms, 14321
 Shimanouchi, Takehiko, tables of molecular vibration frequencies, 8524, 18077
 Shin Pond quadrangle, Maine, bedrock geology, 17825
 Shinn, Arthur M., Jr., evaluation of ablative-material thrust chambers as components of storable-propellant rocket engines, 15555
 Ship models (church decoration) :
 duty-free entry for Lutheran Church of the Covenant, 7648, 14886, 16358

Ship pilots, Great Lakes, survey, supplements, 12777, 14309, 16834-836
 Ship Structure Committee :
 biennial report, 5487
 serial no. SSC, 5187-89, 7108, 10076
 Shipbuilding :
 acoustical measurements, USSR excerpts, 15418
 and conversion program, 2774
 construction for nonsubsidized merchant and fishing fleets, hearing, 946
 contracts, price increases, Navy Department, GAO review, 2351
 Nikolayevsk plant reviews its progress, USSR, 15368
 performance and payment bonds, Maritime Administration policy, etc., GAO review, 2350
 relative cost in various coastal districts of U.S., annual report to Congress, 12788
 safety and health regulations, 9730
 Shipmasters, warning to masters of vessels, customs laws violations, 7843
 Shipments :
 defense-oriented industries, 1965, current industrial reports, 13394
 preliminary, 8946
 fresh fruit and vegetables, by States, commodities, etc., 10873-874
 manufacturers', current industrial reports, 3540
 truck-air cargo transportation services (remarks), 5911
 worldwide cargo transportation costs guide, Army Dept. pamphlet, 17380
 see also Freight—*also* names of articles shipped.
 Shippers :
 commodity transportation survey, census 1963, shipper groups, 1855, 7473
 regional air cargo workshop (periodical), 3813
 Shipping :
 act, 1916, amend—
 hearings, 4552, 13852, 16337
 report, 15084
 act, 1916, exemptions—
 hearings, 4552
 law, 482
 cargo preference act administration, concessional sales of surplus agricultural commodities, 4551
 code of Federal regulations, 6291, 9482, 11045, 12528, 14055
 containerization (remarks), 12787
 foreign trade—
 summary report, annual, 10399
 summary reports, monthly, 3998
 United States oceanborne, 1966 review, 17909
 waterborne, summary reports, 3987, 4362, 17441
 waterborne, trade area by coastal district, monthly report, 3356
 Intercoastal act, 1933, amend, hearings, 16337
 International maritime traffic, convention, report, 6065
 Laws, consolidate and reenact, proposed draft, 10828
 Maritime Day observance (remarks), 11016
 Maritime matters, deployment of USS Yellowstone to Malta, agreement, 15809
 Maritime services, radio stations on land, shipboard, etc., FCC rules and regulations, 3274
 merchant, weather service, 7230
 military cargoes, reduced ocean freight rates by U.S. flag vessels, hearings, 4552
 ocean transport capability, container/barge quandy (paper), 12785
 operations, renegotiation, 13107
 Vietnam, policy review, hearings, 743
see also Transportation—Water carriers.

Shipping conferences, steamship lines in foreign commerce of U.S., approved conference, rate and interconference agreements, 3037, 16576
 Shipping containers, *see* Containers.
 Ships:
 and marine equipment, Federal item identification guides for supply cataloging, supplements, 3293
 Coast Guard, authorization for procurement—
 hearings, 7752, 10827
 law, 13524
 reports, 10556, 12378
 Coast Guard Reserve INACDUTRA, afloat training guide, 14878
 construction, *see*, in main alphabet, Shipbuilding.
 dry cargo ships, results from full-scale measurements of midship bending stresses, report, 10076
 fabrication, welding, and inspection of machinery, piping and pressure vessels, military standard, 2154
 Federal item identification guides for supply cataloging, supplements, 3293
 fires, amendments to International Convention on Safety of Life at Sea—
 report, 7773
 text, 6062
 foreign built or rebuilt, prevent carrying cargoes restricted to U.S. vessels, hearings, 4552
 Government-owned vessels supporting military activities in southeast Asia, financing operations, Maritime Admin., GAO report, 14157
 international maritime traffic, facilitation, convention, 4688
 loan, agreement with—
 Brazil, 15788, 15798
 China, Republic of, 15790
 loan, extension, agreement with—
 China, Republic of, 15791
 New Zealand, 15771
 Pern, 2930
 Philippines, 7172
 loan, reduction, agreement with Japan, 17244
 loans, extension, and new loan, authorize, report, 10555
 loans now in existence, authorize, extension reports, 2025, 2101
 magnetohydrodynamic propulsion, USSR study, 14256
 manning of vessels, rules and regulations, 10446
 masters, grant lien on certain vessels for wages and disbursements—
 hearings, 10663
 reports, 12250, 17632
 merchant fleets of world, seagoing steam and motor, 1000 gross tons and over, 16844
 merchant vessels—
 equipment, Coast Guard approved lists, 9002
 United States, monthly supplement, 3581, 9005
 military procurement appropriations, 1967, report, 2014
 military procurement appropriations, 1968—
 hearings, 7797, 9149
 law, 12164
 reports, 7786, 10570, 10575, 10611
 mortgage act, fees for documents, etc.—
 hearings, 4552
 law, 364
 report, 887
 mortgage documents, surrender, transfer authority to approve—
 hearings, 9159, 10849
 message from the President, 7598
 naval, christening, launching, and commissioning, 11651

Ships—Continued
 Navy ships, lithographs, 11650
 noise reduction and control, USSR studies, 6498
 notice to mariners, vessels navigation safety, 3641, 7007
 ocean survey, Oceanographer, OSS 01, welcome aboard, visitor's guide, 7939
 oceanographic ship operating, schedules, 7957, 17753
 oceanographic vessels of the world, 8568
 repairing, safety and health regulations, 9728
 safety aboard ships, 5091
 security, Federal regulations, 10448
 shipboard equipment, dual foundation, determination of fixed base nautical frequencies by shake tests, 11673
 shipbreaking, safety and health regulations, 9729
 shock mounts for shipboard equipment, guide for selection and application, 8601
 small, inland, Great Lakes and western rivers rules, amend, law, 468
 small vessels, simplify admeasurement, hearings, 745
 Soviet oceanographic ship conducts marine research in Pacific, 14240
 tropical Atlantic Ocean, Equalant III data report, 8569
 underwater ships of science, USSR, 8267
 undocumented, rules and regulations for numbering, 9007
 uninsured vessels, rules and regulations, 10447
 vessel repair contracts renegotiability, revocation, 13108
 wages, hours of work on board, and manning of vessels, recommendations adopted at ILO convention, withdrawal of treaty, text, 15064
 wastes from watercraft, report of Interior Dept. to Congress, 16349
 print as Senate document, report, 15141
 see also Fishing vessels—Hulls (ships)—
 Warships—*also* names of ships.
 Ship's servicemen, *see* Navy.
 Shipyards:
 earnings, straight-time hourly, indexes of change, 3414
 maritime safety digest (periodical), 3542
 safety in industry, maritime safety data, shipboard ventilation for hazardous atmospheres, 8299
 Shirley, Lawrence E., mineral industry of Florida, 5110
 Shirley, Willifred S., relief, 604, 7643, 13785, 14902
 Shirts, new plant at Gassville, Ark., rural industrialization case study, 17711
 Shiskin, Julius, X-11 variant of census method II seasonal adjustment method, 5902
 Shin, Cui Shee, relief, 9262, 12563, 16126
 Shivers, James P., hovering performance of rotor with and without blade-pitch servo-control flaps, 5260
 Shmelzer, June L., learning in action, selected issues in training and demonstration projects, 2973
 Shock (mechanical):
 lateral ring metal elastic wheel absorbs shock loading, 6821
 perforations in jet engine supersonic inlet increase shock stability, 2655
 shock and vibration monograph series, 17705
 spiral spring/strain gage combination accurately measures shock induced deflection, 1468
 see also Thermal shock.
 Shock mounts:
 long travel, models 230, etc., rail impact testing, 14805
 shipboard equipment, guide for selection and application, 8601

INDEX 1967

- Shock tubes, circular, test times and boundary layer induced property variations, 5242
- Shock waves:
- CN violet radiation behind shock waves in air contaminated with carbon-bearing compounds, analysis models, 9905
 - data, compendium, 5793
 - impingement effects on heat transfer on cylindrical leading edge, 6896
 - models for predicting flow in shock layer over bodies at small angles of attack, 11507
 - normal wave, numerical results for diffraction by sphere and for transient flow, 17015
 - prediction of shock-layer radiation from molecular band systems in proposed planetary atmospheres, 6890
 - strong, in carbon dioxide, coupled vibration and dissociation relaxation, 6908
- Shoes, *see* Boots and shoes.
- Shook, Donald F.:
- ages of plutonium-beryllium neutrons in tungsten-water media, 1502
 - resonance integrals of tungsten isotopes, 9914
- Shooting, marksmanship, ROTC manual, 1766
- Shop practices, *see* Machine shops.
- Shops, *see* Pet shops.
- Shore, Milton F., red is color of hurting, planning for children in hospital, 11758
- Shore protection:
- dune stabilization with vegetation on Outer Banks, N.C., 16523
 - groin design variations, 16521
 - New York and New Jersey, correlation of littoral transport with wave energy, 7925, 10954
 - planning and design, 1022
 - stability of rubble-mound tsunami barrier, Hilo Harbor, Hawaii, 16526
 - wave tests of revetment using machine-produced interlocking blocks, 16519
- Shorette, Marilyn, relief, 13624, 17499
- Short, Barbara J., dynamic flight behavior of ballasted sphere at Mach numbers from 0.4 to 14.5, 8029
- Short wave logarithmic antenna, USSR, 11247
- Shortened horn-reflector antenna, 8452
- Shortleaf pine, *see* Pine.
- Shot peening, glass bead, retards stress corrosion failure of titanium tanks, 14413
- Shoulder, restraint installation in general aviation aircraft, recommendations, 7446
- Shreveport, La., population, special census, 4354
- Shrews, subfamilies and genera of Soricidae, classification, zoogeography and temporal correlation, 14173
- Shride, Andrew F., younger Precambrian geology in southern Arizona, 16696
- Shrimps:
- breaded—
 - annual summary, 9511
 - current fishery statistics, 3336
 - Gulf Coast, data, 3386
 - landings, 3876, 16610 - Shrine, Mystic, *see* Ancient Arabic Order of Nobles of Mystic Shrine.
- Shrout, Barrett L., aerodynamic characteristics at Mach 2.03 of series of curved-leading-edge wings employing various degrees of twist and camber, 6874
- Shrub live oak, *see* Oak.
- Shrubs, seed and planting stock, commercial dealers, directory, 8125
- Shuford, Emir H., Jr., cybernetic testing, 8864
- Shugars, Owen K.:
- costs and returns, commercial—
 - egg-producing farms, New Jersey, 16489
 - tobacco farm, Coastal Plain, North Carolina, 13943
- Shugars, Owen K.—Continued
- costs and returns, commercial—continued
 - tobacco-livestock farms, Bluegrass area and Pennyroyal area, Ky.-Tenn., 16490
- Shulman, Stephen N., nomination, hearing, 9327
- Shultz, Janet L., mass spectrometric analyses of coal-tar distillates and residues, 14354
- Shultz, John F.:
- kinetics of gas synthesis using recycle systems, 9790
 - noble metals, molybdenum, and tungsten in hydrocarbon synthesis, 12827
- Shutters, color-coded sleeve, use to accelerate oscillograph channel selection, 17991
- Sibbald, David M. H., MAC flyer, 3531
- Siberia:
- central, Bratsk and Krasnolensk hydroelectric projects, bibliography, 8665
 - east coast, sailing directions, change, 14577
 - eastern, new Soviet academic settlement in Irkutsk, 9637
 - scientific labor organization proves effective at Siberian mining institute, 4263
 - southeast coast, sailing directions, change, 11640
- Sick:
- acute conditions, incidence and associated disability, 14637
 - chronic illness among residents of nursing and personal care homes, May-June 1964, U.S. statistics, 11764
 - chronically ill—
 - charges for care in institutions, 17169
 - dental care, 13089
 - duration of illness, medical service data, Air Force pamphlet, 8858 - financial protection for Federal employees, 1925
 - health interview survey, standardized morbidity ratios for measures of illness by family size, etc., 7097
 - income-loss protection against short-term sickness, 2866
 - prevalence of chronic conditions and impairments among residents of nursing and personal care homes, 14639
 - publications, price list, 2801
 - smoking and illness, effects of tobacco, etc., 13094, 18186
 - transportation of sick and wounded, Army field manual, 100
- Sick leave, *see* Leave of absence.
- Sidewalks:
- emergency construction at military installations, general provisions and geometric designs, 5742
 - flexible pavement design, emergency construction, Army technical manual, 10277
- Siding, asphalt and tar, current industrial reports, 3169, 5854
- Sidorsky, Raymond C., research on generalized skills related to tactical decision making, 9982
- Sieder, Violet M., rehabilitation agency and community work, source book for professional training, 7222
- Siegel, Jacob S., revised projections of school and college enrollment in United States, 10363
- Siegel, William C., forest tax trends in Louisiana, 8099
- Sielski, Matthew C., remarks, Mar. 29, 1967, 7567
- Sierra, Teresa, remarks, Apr. 27, 1967, 11700
- Sierra Leone:
- foreign trade regulations, 12135
 - judicial procedure agreement, 7156
 - labor conditions, 2513
 - mineral industry, minerals yearbook chapter, 2564

Sierra Nevada :
 Cenozoic volcanic rocks, 14170
 Desolation primitive area, mineral resources, 11169
 Mono Craters quadrangle, structure and metamorphism, 4887
 Sight :
 aircrew station vision requirements for military aircraft, military standards, 16470
 color defective vision, diagnostic tests, bibliography, 17411
 depth perception, problems, 138-139
 eye research, NINDE, 8631
 flashblindness experiment in F-4C flight simulator, 1738
 night vision, oxygen breathing effects, 11347
 peripheral vision displays, 12865
 underwater visual resolution, 14317
 see also Color perception—Optical illusion.
 Sigman, Donald R., ion cyclotron wave generation in uniform and nonuniform plasma including electron inertia effects, 12962
 Sign language, voice of the silent stage, 4723
 Signal construction battalion, field manual, 4205
 Signal generators, electronic test instrument generates extremely small current signals, 17923
 Signal lights, see Lights and lighting.
 Signal processors, employing synthetic phase isolator, study, 11397
 Signal systems, Federal item identification guides for supply cataloging, supplements, 3289
 Signalmen, 1 & C, Navy training course, 15634
 Signals :
 aircrew station signals, military standard, 17700
 auditory vigilance as affected by signal rate and intersignal interval variability, 11346
 generator converts direct current to multi-phase supplies, 17979
 infralow frequency devices and correlation function measurement, USSR study, 9647
 instrument automatically selects peak acceleration signal from several accelerometers, 1459
 instrument sequentially samples ac signals from several accelerometers, 8461
 local measurements in turbulent flows through cross correlation of optical signals, 8462
 microminiature dc signal-conditioning amplifier, development, 14483
 MOSFET analog memory circuit achieves long duration signal storage, 6766
 patent classification definitions, 17105
 patterning, effects upon vigilance performance and physiological responses, 8585
 presentation rate, auditory threshold and group vigilance, 11349
 probability distribution, 1st and 2d order, measuring system devised, 17085
 signal large headquarters, operation company, Army field manual, 15937
 single-sideband modulator accurately reproduces phase information, 1446
 solid-state circuit averages multiple signals and rejects those varying significantly from the average, 15492
 video, high-speed, single-shot transient, recording and time expansion technique, 11468
 vigilance performance and physiological responses under fixed and variable schedules, 14590
 visual, Army field manual, 5727
 see also Radio signals—Television.

Signs (advertising) :
 compensation by States for removal under highway beautification act of 1965, opinion of Attorney General, 8279
 Silazane elastomer remains resilient at 400° C, 6825
 Silen, Roy R., simple, progressive tree improvement program for Douglas-fir, 8081
 Silica :
 isolation of components on silicon wafer using SiO₂, 1423
 lead-silica glass, viscosity of standard type, 1520
 natural phases of system MgO-SiO₂-H₂O and systems containing congeners of magnesium (series), 8160
 pyrogenic, study of thixotropic suspensions, 11679
 reactions with manganese, 6684
 Silicates :
 far infrared spectra of silicate minerals, study, 9841
 interface between ice and silicate surfaces, 11982
 lithium-aluminum silicates, thermodynamic properties, 14355
 potassium- and lithium-aluminum, heats of formation, 2577
 Silicon :
 diffusion of impurities into silicon from gaseous sources, 1421
 electron transmission through thick silicon targets, 11498
 energy required to produce electron-hole pair in silicon by tritons, 1501
 high-purity single-crystal, proton bombardment, 11334
 integrated circuits, improving contact bonds, 16965
 minerals yearbook chapter, 1415
 planar silicon devices, thermal and bias cycling stabilizes, 12902
 Si-Fe sheet gate chemically reduced, 2624
 SiC/Si diode trigger circuit provides automatic range switching for log amplifier, 17957
 solar cells, introducing selected impurities, process for controlling, 16949
 targets, thick, bombarded with 1.05 and 1.25 million volts electrons, X-ray spectra produced, 2683
 wafer using SiO₂ isolation of components, 1423
 Silicon carbide :
 crystals, process facilitates photoresist mask alignment, 11473
 SiC/Si diode trigger circuit provides automatic range switching for log amplifier, 17957
 Silicon dioxide, see Silica.
 Silicon tetrafluoride, separation of HF from HF-SiF₄-H₂O mixtures, 2581
 Silk screen printing, equipment panels, eliminated with Mylar film, 1454
 Silos, farm, 5656
 Siloxanes, polydimethylsiloxane monolayers, surface viscosity, 8592
 Silsby, Norman S., simulator study of pictorial navigation display in instrument departures of supersonic transport, 12944
 Silurian period, Upper Silurian stratigraphy of northeastern Pennsylvania, New Jersey, and southeasternmost New York, 11167
 Silver :
 distribution—
 Cripple Creek district, Colo., 9571
 Ely mining district, White Pine County, Nev., 9564
 In magnesium-base alloys, determination, 9985
 mineral industry survey, monthly report, 3877
 minerals yearbook chapter, 2589
 palladium bronze alloy recovered from masking materials, 6793

INDEX 1967

- Silver—Continued
production and consumption, 1964, report, 8381
silver-base ternary alloy proves superior for slip ring lead wires, 5212
solid palladium-silver alloys, thermodynamic properties, investigation by torsion-effusion technique, 17924
substituting gold for silver improves electrical connections, 15528
transfer by Treasury to national stockpile—
law, 12171
reports, 10602, 10765, 12248
United States movements—
annual, 12093
monthly, 3983
Silver (money):
Mint Bureau, report, 8381
Silver Bay (fishing vessel):
exploratory collection made in southwestern North Atlantic, 1956-60, correction, 8035
Silver certificates:
redemption—
hearings, 9151, 10819
law, 12171
reports, 10602, 10765, 12248
Silver oxide, electrode, changing discharge capacity by charging with interrupted current, 9998
Silver plating:
blistering, undercoat prevents at elevated temperatures, 11444
ensures reliable diffusion bonding of dissimilar metals, 11461
technique seals leaks in thin wall tubing joints, 6699
Silvey, William D., occurrence of selected minor elements in waters of California, 11186
Silviculture, see Forestry and forestry.
Sim, Mary S., hospital laundry, 7071
Simians:
vaccinating agents, SV 40 virus, Polish study, 9653
viruses, Rumanian studies, 6529
Simmonds, F. A.:
determining scattering and absorption coefficients by diffuse illumination, 11114
review of methods for estimating harmful pitch in woodpulp, 11112
Simmons, George C., Otter Creek coral bed and its fauna, east-central Kentucky, 6394
Simmons, Joseph H., ultrasonic attenuation in superconducting niobium, 5273
Simon, A. C., micrography of tubular battery plates, 8591
Simon, Armando Teodoro Perez y, see Perez, Armando, S.
Simon, Kenneth A., digest of educational statistics, 2180
Simons, E. M., reactor materials, quarterly technical progress review, 3807
Simonson, Marvin R., high gas temperature utilization for advanced tip turbine fans, 4221
Simple motor drive system operates heavy hinged door, 8404
Simple technique determines ac properties of hard superconductive materials, 6817
Simplified clothing instruction, 14743
Simplified fixture permits precision alignment of optical target, 2670
Simplified practice recommendations, 1524, 6920
Simpson, Fred H., small gas turbine engine component technology, etc., 10287
Simpson, John R., rotor system for hot cycle heavy-lift helicopter, 10288
Simpson, Milward L., tributes upon retirement as Senator, 2078
Sims, P. K., petrology and structure of Precambrian rocks, Central City quadrangle, Colo., 12611
Simulation:
analog computer, application of stereoscopic display system, 6757
applied mathematics, computers, and information models, USSR study, 16735
calibrations, liquid hydrogen turbine-type flowmeter using high-pressure gas, 5251
computer, plasma and many-body problems, symposium, 16928
equivalent circuit for field effect transistor established for computer simulation, 6844
gaseous core nuclear rocket mixing characteristics using cold and arc heated flows, 12848
Gemini-Agena docking, pilot controlled, full-size visual cues, 1495
IPR conditions, exposure of men to intermittent photic stimulation, 5802
in biology and medicine, USSR study, 15356
lunar module docking with Apollo command module in lunar orbit, 11520
olfactory sense and its modeling, USSR studies, 1326
passive analog, use for study of square plates, 5168
pilot-controlled docking of Apollo command and service module with lunar module, 2689
piloted study of manual guidance of upper stages of large launch vehicle, 9887
satellite telemetry data program, generalized, 1508
sensitivity experiments, computer program, 11439
static calibration of ejector unit for stimulation of jet engines in small-scale wind-tunnel models, 6899
transient analysis generator simulates behavior of electrical networks, 16954
Simulators:
antenna, preinstallation system checkout, 2648
general purpose airborne simulator, 5161
nuclear reactor simulator for nonnuclear testing of space power systems, 14487
phonocardiogram, for physiological monitoring, 1434
real-time training, digital computation systems, military standard, 9373
space cabin, contaminants produced by man, 11955
star/horizon, use to test space guidance system, 11447
X-ray machine, 18191
see also Flight simulators—Space simulators.
Sinews of war, Army logistics, 1397
Singapore:
background notes, 15762
capsule facts for Armed Forces, 15911
economy, basic data, 7575
mineral industry, minerals yearbook chapter, 6658
trade in cotton textiles, agreement, 2934
Singer, Joseph M.:
equivalences and lower ignition limits of coal dust and methane mixtures, 9782
flame characteristics causing air pollution, production of oxides of nitrogen and carbon monoxide, 8378
reduction of incendivity of hot gases, etc., 11383
Singh, Jag J.:
electron transmission through thick silicon targets, 11498
X-ray spectra produced when thick silicon targets are bombarded with 1.05 and 1.25 million volts electrons, 2683
Single Convention on Narcotic Drugs, 1961, see Narcotics.
Single-sideband modulator accurately reproduces phase information in 2-Mc signals, 1446

- Single-span running skylines, 14102
 Singleterry, Curtis R., movement of oil in miniature ball bearings, 17089
 Siankiang Province, China, nature, and formation of deserts, study, 6585
 Sianhuber, R. O., effect of irradiation on microbial flora surviving irradiation pasteurization of seafoods, 1800
 Sino-Soviet conflict, print additional copies, report, 2029
 Sintering:
 nephelitic charges, USSR study, 9645
 process in snow, 10257
 snow, role in construction, 15930
 see also Lime-soda sintering.
 Sinus fridum, LAC 24, lunar chart, 7320
 Sinusitis, allergy and sinus disease in aviators, 14782
 Sioux Falls, S. Dak., area wage survey, 5065
 Siple, George E., geology and ground water of Savannah River plant and vicinity, S.C., 16705
 Sires, see Bulls.
 Sirken, Monroe G., utilization of short stay hospitals, 17170
 Sirups, refiners', U.S. standards for grades, 15178
 see also Maple sirup.
 Sisco, Joseph J., address, Nov. 12, 1966, 5530
 Sister Grove Creek Watershed, dedication of Texas' 1000th watershed project dam (address), 22
 Site indexes:
 Delaware-Maryland sweetgum stands in relation to soil characteristics, 4832
 Douglas-fir, site curves, comparison, 2309
 lodgepole pine, with corrections for stand density—
 instructions for field use, 2333
 methodology, 14145
 table for aspen in southern and central Rocky Mountains, 2310
 Sites:
 acquisition and developing, for educational facilities, guide to Federal financial assistance programs, 10931
 site clearing, safety in industry, instructor outline, 17887
 use of water-meter records to estimate use on developed sites, 12579
 6 steps forward, 17186
 Skagerrak, northern and eastern, sailing directions, change, 13023
 Skagit River:
 engineer report—
 departmental edition, 4739
 document edition, 4466
 Skeletons, early skeletons from Tranquillity, Calif., 1531
 Skiing, see Skis and skiing.
 Skilled workers, see Labor.
 Skin:
 cancer, 2816
 cutaneous bacteriologic evaluation, man in oxygen-helium atmosphere, 84
 surface, use of infrared absorption spectroscopy for representation of lipids, Yugoslavian study, 12667
 test for schistosomiasis in Puerto Rico, survey for prevalence, 8654
 Skin flora:
 diet and atmosphere effect—
 experimental data, 9799
 literature survey, 2613
 Skin friction (aircraft):
 surbulent boundary layer—
 periodic blowing through flush transverse slots on, effects, 1431
 swept wings, wake momentum surveys measurement, 2725
 turbulent, charts adapted from Spalding and Chi method, 11518
 Skin-friction gages, flight demonstration to Mach number of 4.9, 6877
 Skinner, Snider W., Senegal's agricultural economy in brief, 992
 Skirts, changing the hem, 7283
 Skirvin, Frederic A., purification of tungsten hexachloride, 14341
 Skis and skiing:
 national forests, America's playgrounds, 5667
 national forests of Intermountain region, Americas winter playgrounds, 6372
 trends and opportunities in Western States, 11133
 Skokie, Ill., population, special census, 16025
 Skolnik, Alfred M., workmen's compensation payments and costs, 2867
 Skouson, Glenn W., isolation of components on silicon wafer using SiO₂, 1423
 Skovlin, Jon M., fluctuations in forage quality on summer range in Blue Mountains, 16663
 Skull:
 avian skull, kinesics, role of depressor mandibulae muscle, 11610
 miniature piezoelectric triaxial accelerometer measures cranial accelerations, 2659
 Skyline Churches Cemetery, land conveyance to, 288
 Skyline tension and deflection handbook, 12584
 Slabs:
 reinforced concrete, influence of reinforcing details on yield line pattern and ultimate load-carrying capacity, 17736
 slotted, transient radiation and conduction, 17941
 Slack, Ellen S., aluminum industry in Japan, 9015
 Slack, Keith V., Birch Creek, travertine depositing stream, Inyo County, Calif., 8171
 Slade, Grant E., chemicals, quarterly industry reports, 3092
 Slag:
 blast-furnace and synthetic, heat content, 6675
 iron-blast-furnace, minerals yearbook chapter, 2590
 Slagle, Franklin D., densities and porosities of core samples from wells in Appalachian oilfields, 11353
 Slash, see Forests and forestry.
 Slash pine, see Pine.
 Slate, blackboard, standard sizes, standards of trade, 5285
 Slatery, J. C.:
 ionization probability of iron particles at meteoric velocities, 11406
 observation of micrometeorite craters in metal substrates utilizing micrographic replica methods, 9815
 Slaughtering:
 beef on farm, 4106
 commercial slaughter, meat and lard production, etc., 11879
 lamb and mutton on farm, 1690
 livestock, monthly report, 3519
 pork on farm, 8829
 Slavery:
 supplementary slavery convention—
 hearings, 7806, 16410
 report, 17619
 Sleep:
 deprivation, prolonged stage 4 and 1-REM, comparison of effects, 15900
 human memory during natural sleep, input and consolidation of information, USSR book excerpts, 15362
 natural, information input and fixation in human memory during, USSR study, 11285
 Sleeping Bear Dunes National Lakeshore, establish, report, 636
 Sleeves (industrial):
 pipe joints reinforced in place with fitted aluminum sleeves, 15541, 17954
 Siemon, David R., relief, 346

INDEX 1967

- Slide rules, slide rule-type color chart predicts reproduced photo tones, 11436
- Slidenfilms, *see* Filmslides.
- Slides (glass):
microscope slide loader for thin-layer chromatography, 13272
- Silding of non-temperate glaciers, 7379
- Slip laws, *see* Law.
- Slip rings, *see* Electric slip rings.
- Slip tables, shaker system, air bearing provides friction-free support, 8402
- Slippers, *see* Boots and shoes.
- Slocum, Walter L., aspirations and expectations, guide to research, 17710
- Slopes:
formation and stability on cohesionless materials, Plowshares program, 17398
measurement of peak discharge of streams by slope-area methods, techniques, 11185
- Sloshing:
dynamics study in near zero gravity, vehicle and spacecraft description, 11530
fuel, bubble thickness effects, 2700
liquid, in elastic containers, 16906
- Sluchevskiy, I. F., biography, 2480
- Slums:
causes, difficulties, and possible solutions to problems of ghetto (remarks), 17841
clearance—
local public agency letters, 3523
urban renewal manual, 4009
demonstration cities and metropolitan development act of 1966—
law, 465
law, summary, section-by-section analysis, legislative history, and conference report, 725
- Slurries, dewatering anthracite slurry, 15478
- SM series, 1905, 7528, 13427-432, 14846, 16056-57
- SM-1A reactor, *see* Reactors (atomic).
- Small, James B., horizontal and vertical crustal movement in Price William Sound, Alaska, 5940
- Small-area data activities, 3878
- Small arms, *see* Firearms.
- Small Boy project 62.80b aeroradioactivity survey, 12001
- Small business, *see* Business.
- Small Business Administration:
administrator, nomination of Robert C. Mott, hearing, 13848
appropriations, 1967, law, 501
appropriations, 1968—
hearings, 16632, 16390
reports, 10616, 16372
authorizing legislation, amend—
hearings, 16820, 15020
law, 17549
reports, 12391, 14961, 14982, 16261
business loans, lending objectives, etc., 2855, 13117
economic injury disaster loans, etc., for displaced small businesses, 14643
economic opportunity loan programs, 13114
examination function of small business investment company program, GAO review, 16675
financial assistance programs, review, 16439
local development company loans, 8678
economic growth at community level, 1599
meeting with officials, hearings, 9150
Minneapolis, Minn., office, salvage of fire and water damaged records, 14165
organization and operation—
hearings, 2060
report, 4508
organization, changes—
law, 483
report, 4588
participation loans with SBA, guide for private lending institutions, handbook, 5490
- Small Business Administration—Continued
press releases, 3760
programs for progress, 7111
publications—
for sale booklets, 5491
free management assistance publications, list, 5492, 18202
management aids for small manufacturers, 2854
role, present and future, hearings, 2060
self-improvement-community style, 502
loan program, 11789
small business investment program, 1966—
hearings, 2062
report, 4509
starting and managing series, 5497, 8679, 15733
- Small Business Crime Protection Insurance Corporation, establish, hearings, 17644
- Small Business, Select Committee on, House:
committee prints, 4561-62, 10679
final report for 89th Congress, 6002
hearings, 2060-62, 10678, 12317
investigations and studies—
authorization, report, 4518
expenses, report, 7679
reports, 668, 4508-14, 6002
- Small Business, Select Committee on, Senate:
annual report, 10795
committee prints, 4660, 9330, 16437, 16439
hearings, 12428, 16436, 16438, 16440, 17677-679
investigations and studies, small and independent business, problems, authorization, report, 4610
publications, list, 4660
reports, 10794-795, 16365
- Small craft, gale and whole gale warning facilities charts, 14723-724
- Small Magellanic Cloud, *see* Magellanic Clouds.
- Smallpox, health information series, 18165
- Smedes, Harry W., geology and igneous petrology of northern Elkhorn Mountains, Jefferson and Broadwater Counties, Mont., 2367
- Smell, olfactory sense and its simulation by modeling, USSR studies, 1326
- Smelting:
electric, of complex lead-zinc sinter, 14353
electrorefining—
titanium-nitrogen alloys, 2582
yttrium, 15482
molten-salt electrorefining vanadium scrap, 17916
- Smith, Alvin A., technology and your new products, 13118
- Smith, Albert C., new and noteworthy flowering plants from Fiji, 12997
- Smith, Bryce A., relief, 7615
- Smith, Charles C., jr., flight characteristics of model of aspect-ratio-6 conical-parawing utility vehicle, 5229
- Smith, Charles R., pulp, paper, and board, quarterly industry report, 3788
- Smith, Clarence T., Army research and development, newsmagazine, 3043
- Smith, Dwight R., effects of cattle grazing on ponderosa pine-bunchgrass range in Colorado, 14764
- Smith, Floyd F., controlling insects on flowers, 17307
- Smith, G. Louis, equations for rapid machine computation of equilibrium composition of air, etc., 16973
- Smith, Gerald L., theory and methods of statistical inference, 8507
- Smith, Guy P., international education act of 1966, summary, 8191
- Smith, H. Clay:
epicormic branching on 8 species of Appalachian hardwoods, 8078
visible dormant buds as related to tree diameter and log position, 17802

- Smith, H.H., high temperature vacuum fatigue testing of type 316 stainless steel and Inconel X, etc., 11676
- Smith, Harvey H., area handbook for South Vietnam, 13297
- Smith, Irwin D., nitrogen tetroxide disposal unit combustion products 11515
- Smith, Jack, Mines Bureau coal-fired gas turbine research project, 9772
- Smith, John W., shale oil specific gravity from Colorado's Green River formation, 2587
- Smith, Maureen R.:
basic data on economy of Ethiopia, 7580
establishing business in Ethiopia, 13165
- Smith, P. M., outlet works and stilling basin, Howard Hanson Dam, Green River, Wash., hydraulic model investigation, 2201
- Smith, R. H., black turpentine beetle, 16646
- Smith, Richard B., nomination, hearing, 9307
- Smith, Richard H., forcing attacks of western pin beetles to test resistance of pines, 8083
- Smith, Richard M., analysis and design of space vehicle flight control systems, 12875
- Smith, Robert G., relief, 848
- Smith, Robert V., soil survey of Montgomery County, Pa., 11807
- Smith, Ronald C., heat-transfer measurements on rotor blades of rotor entry vehicle model, 12965
- Smith, Sheldon M., coronal photographs, isophotes, and flash spectrum from solar eclipse, 11551
- Smith, T. Michael, relief, 13578
- Smith, W. S., temperature, pressure, etc., upper stratosphere and mesosphere, 17612
- Smith, Wesley G., movement of labor between farm and nonfarm sectors and multiple-jobholding by farm operators in Tennessee Valley, 17262
- Smith, Willard J., nomination, hearings, 6094
- Smith, Winchell, acoustic velocity meter, report on system development and testing, 14167
- Smith River and Valley, basin, magnitude and frequency of floods, 14177
- Smithrick, John J., energy required to produce electron-hole pair in silicon by tritons, 1501
- Smithsonian Astrophysical Observatory, research opportunities, 1601
- Smithsonian contributions to anthropology, 1531, 6972-74, 9954, 13061, 144547
- Smithsonian contributions to astrophysics, 2859, 8683, 18204
- Smithsonian Identification manual, 2752
- Smithsonian Institution:
annual report, 1966—
departmental edition, 7114
document edition, 5980
appropriations, 1968—
hearings, 7734, 9302
law, 12170
reports, 10560, 10766, 12252
citizen regent of board of regents, reappointment of Jerome C. Hunsaker—
law, 12169
reports, 10605, 10741
collections, portunid crabs from Pacific and Indian Oceans, 8540
- Dürer and his time, exhibition from collection of Print Room, State Museum, Berlin catalogue and notes, 10079
general information, 15735
- History and Technology Museum, growth of United States, 1640-1851, exhibition, 18203
- Joseph H. Hirshhorn Museum and Sculpture Garden, establish—
law, 492
reports, 883, 896, 4506
- Smithsonian Institution—Continued
National Museum act of 1966—
law, 392
report, 681
- National Zoological Park, administration, reorganization—
hearing, 736
report, 2021
publications, price list, 15671
rates of compensation for certain executive positions, establish, law, 447
research opportunities, 2860
- Smithsonian torch (periodical), 8684
- Smithsonian journal of history, 3879
- Smithsonian miscellaneous collection, 5500, 11790-791
- Smithsonian torch (periodical), 8684
- Smoke:
evaluation of smoke-wire technique for measuring velocities in air, 10293
hood, to protect passenger, aviation, medical report, 14812
- Ringelmann chart for grading density, 11354
smoke operations, Army field manual, 10260
- Smoke generators, chemical smoke generator units, Army field manual, 10260
- Smoked fish, see Fish and fisheries.
- Smoking:
and health—
bibliography, 15705
directory of on-going research, 11743
and illness, effects of tobacco, etc., 13094, 18186
cigarette smoking—
and health characteristics, statistics, 10067
chronic bronchitis and emphysema, 5424
health consequences, Public Health Service review, 17144
library services of National Clearinghouse for Smoking and Health, 11740
light on subject of smoking, 4366
National Interagency Conference on Smoking and Health, highlights, 7077
- Snake River and Valley:
fish passage report, 13974
- Lower Monumental Dam, spillway and stilling basin, hydraulic model investigation, 10949
upper dryfarming area, moisture conservation for wheat production, 4088, 11923
- SNAP (systems for nuclear auxiliary power), see Atomic auxiliary power generators.
- Snapper, western Atlantic, field guide, 8019
- Snee, Joseph M., international law studies, 11683
- Snell Lock, St. Lawrence Seaway, investigation of concrete, 13987
- Snipes:
hunting, possession, transportation, importation, 1967-68, Federal regulations, 16623
Alaska, 14061
- Snoeberger, D., vent-gas treatment plant, 1809
- Snow:
accumulation on open mesh metal panels, prevention, 8879
alpine, Montana, mechanical properties, 13292
alpine snow covers, densification, 15933
bibliography, with abstracts, 14791
conditions, weather and crop bulletin (periodical), 4060
construction, sintering role, 15930
creep of snow and ice, research report, 7378
damage to coniferous seedlings and saplings, 1091
depth probability calculations, Great Lakes, charts and tables, 12776
Federal-State-private cooperative surveys—
Arizona, 4044

INDEX 1967

Snow—Continued

- Federal-State-private cooperative surveys—Continued
- Colorado—
 - early season report, 5519
 - special snow report, 15750
- Colorado and New Mexico, 4045
- Idaho, 4016
- Montana, 4047, 18217
- Nevada, 4048, 17205
- Oregon, 4049
- Utah, 4050
- Washington State, 4051
- Western United States, including Columbia River drainage in Canada, 4052
- Greenland firn, artificial radioactivity reference horizons, 4197
- hardness, Rammsonde equation, reevaluation, 1755
- heat conduction in moist porous media, 10256
- sintering process, 10257
- snow cover and calculation of snow floods in forest and steppe regions, USSR study, 1203
- structures, effect of explosions, 99
- surface, mass transfer by sublimation, investigation, 4198
- surveying method, basis, USSR study, 1183
- surveys, Alaska, 3317
- transport of intercepted snow from trees during snow storms, 8114
- see also Precipitation.
- Snowstorms, transport of intercepted snow from trees, 8114
- Snyder, Irene, relief, 545
- Snyder, Thomas E., control of nonsubterranean termites, 7270, 8826
- So . . . you want to be (series), 15205-207
- Soap:
 - cation effect on solubilization by oil-soluble sulfonates and applicability of mass law, 17095
 - floating white, Federal standard, cancellation, 11062
 - grit, hand, paste, and powder, Federal standard, cancellation, 11064
 - toilet, liquid and paste, Federal standard, cancellation, 9498
- Socarras, Otton, relief, 9192, 12233, 13486
- Social and Rehabilitation Service, nursing home care provided to welfare recipients, guidance to States in establishing rates, GAO report, 17811
- Social interaction, see Behavior.
- Social life and customs, see Manners and customs.
- Social progress program, Inter-American, see Latin America.
- Social sciences:
 - research, international, Federal support, hearings, 10842
 - use of social research in Federal domestic programs—
 - current issues in administration of Federal research, 9161
 - federally financed research, adequacy, etc., 9161
 - federally financed research, expenditures, etc., 9161
 - private social scientists, relation to Federal programs on national problems, 9161
- Vientiane Plain, socio-economic study, 6578
- Social scientists, use, relation to Federal programs on national problems, 9161
- Social security:
 - account numbers, 1966, issuances, 18208
 - act, amend—
 - hearings, 7763, 10684
 - laws, 13523, 16142
 - reports, 697, 16264
 - amendments of 1965, mental health benefits, 5447

Social security—Continued

- amendments of 1967—
 - analysis and explanation, 6048, 16346
 - hearings, 15154, 16409
 - reports, 14953, 14964
 - summary, 15053
- benefits—
 - and poverty, status of low-income beneficiaries or aged persons, 7132
 - disability, rights and responsibilities of recipients, 11800
 - income limitations under VA pension programs, hearings on miscellaneous bills, 17613
 - outside United States, 14646
 - overpayments, GAO review, 8142
 - special, awarded to persons aged 72 years and older during last quarter of 1966, brief explanation, 10086
 - students 18-22, cash, 5512
 - your duties as representative payee, 15744, 18211
- bulletin, 3880
- statistical supplement, 13121
- career for you in social security, 14645
- clergymen, explanation, 11801
- coverage for household employees, 11795
- coverage for household workers, 7122
- disability applicant statistics, disabled workers, etc., 8691
- District of Columbia participation in medical assistance program—
 - hearings, 10645
 - report, 13645
- economic effects of seasonality in OASDHI tax payments, 17203
- establishment reporting plan, statement for use of employer, 1604
- farmers, self-employed—
 - are you getting your social security credit, 2863, 18210
 - reporting income, special information, 1605
- Federal employment, transfer of retirement credits, to close gaps in protection, amend U.S. Code, hearings, 10672
- financing your benefits, 7123
- general information, 14647
- handbook, 1606
- health insurance—
 - enrollment, July 1, 1966, number of persons by State and county, 10083
 - extended care facilities, directory, 15738
 - home health agencies, directory, 11793
 - hospitals, directory, 11794
- help or information, list of social security district offices, 5507
- household worker statistics, 2871
- how it helps us, hi, I'm Mr. Money Wise, 14649
- income maintenance, retirement, survivors, and disability insurance, health insurance for people 65 and over, hospital insurance, medical insurance, information, 10085
- increase benefits, message from the President, 12198
- increases, reduction of retirement benefits—
 - hearings, 10798
 - report, 15144
- information for crew leaders and farmers, 15741
- information for young families, 15742
- Joe Wheeler finds a job and learns about social security, 14647
- answer sheet, 14648
- law, changes, 5506
- nonprofit organizations and their employees, how it works, 5505
- outline for studying, 5508
- programs throughout world, 8692
- publications, price list, 17135
- railroad retirement beneficiaries who receive social security payments, message about medicare, 15739

Social security—Continued

- reform of French social security system, 17199
- research and statistics notes, 1607, 2866-67, 5514-16, 7129-32, 8689-90, 10086, 11798-799, 17198-202, 18208
- index, 7121
- retirement or survivor benefits, rights and responsibilities of recipients, 7133
- rulings on Federal old-age, survivors, disability, and health insurance, 2872, 3881
- school certification of full-time attendance for social security purposes, 15743
- self-employed people, reporting their income, special information, 2661
- self-employment taxes, guide for farmers, 1967 edition, 1142
- special information for people who receive cash tips, 17204
- special payments—
 - people 72 or over, brief explanation, 2873
 - rights and responsibilities of those who receive, 15740
- survey of the aged population of U.S., 13120
- Sweden's system, 1608
- tax guide for—
 - employers in Virgin Islands, Guam, and American Samoa, 2402
 - household employers, 2401
- teaching aids, free, 7124
- widows with children, survey, 2869
- your social security, 5506
- see also Disability Insurance—Old-age, survivors, and disability insurance.
- Social Security Administration:**
 - actuarial notes, 1603, 5501, 7115-17, 11792, 14644, 15736
 - actuarial study series, 7118, 8686, 10082
 - data processing (lectures), 15737
 - social security benefit overpayments, GAO review, 8142
 - SSI series, 11801, 14647-649, 15741-742, 17204, 18209-210
 - TIB series, 15743
- Social service, see Social work and problems.**
- Social surveys:**
 - Atlantida, case study in household sample surveys—
 - content and design of household surveys, Spanish edition, 5893
 - distribution and receipt of materials, 1885
 - editing and coding, 4360
 - field operations, instruction manuals, 182
 - population data controls, Spanish edition, 5899
 - survey objectives and description of country, Spanish edition, 7496
 - tabulation process, 7497
 - workbook for case study, 10387
- Social usage abroad, guide for American officials and their families, 8712**
- Social work and problems:**
 - careers in social work, examination announcement, 5928
 - cities in crisis, the challenge of change, 10133
 - community planning for health, education, and welfare, bibliography, 16540
 - community services in low-income neighborhoods, field guide to concerted services, report of joint task force, 17840
 - development of border area, joint commission to study, agreement with, Mexico, 7191
 - effects of marketing (remarks), 242, 1960
 - health, education, and welfare indicators (periodical), 3394
 - low and moderate income groups, new welfare programs, 8193

Social work and problems—Continued

- major social problems, adequacy and usefulness of federally financed research, 9161
- neighborhood service centers, services offered, problems, etc., 5595
- optimum social welfare through planning, participation, and manpower, 8194
- research relating to children, studies in progress, 8967
- scientific research, factors contributing to increased effectiveness, USSR study, 1206
- social development, role of cooperatives, ILO recommendation, text, 13554
- social services—
 - Federal assistance program, 12447
 - statistical reports, 6234, 7942, 13998
- use of social research in Federal domestic programs, private social scientists, relation to Federal programs on national problems, 9161
- voluntary welfare agencies, fund-raising within Federal service, manual, 3539, 4399
- welfare councils, role in community health planning, 2532
- welfare programs and services, facts, 7234
- welfare, reference facts, 16706
- Social workers:**
 - examination announcements, 1907, 5928
 - intake and case recording, fact-finding report, Santa Clara County Welfare Department, San Jose, Calif., 10973
 - public welfare personnel, 1965 statistics, 12483
 - Veterans Administration hospitals and clinics, nationwide, career information, 14711
- Socialism:**
 - hydrometeorological and meteorological services of socialist countries of Europe, conference of directors, USSR study, 1179
 - political organization of socialist society, USSR studies, 14269
 - scientific research coordination in agriculture and forestry in Socialist countries, 7th conference, Hungary, 14242
 - setting up Socialist brigades for technical progress, new regulations announced, Bulgaria, 12668
 - Socialist Turkey, treatise, 5027
- Socialist Federal Republic of Yugoslavia, see Yugoslavia.
- Societies, see Scientific societies.
- Society, cybernation and social change, seminar, 6596
- Socioeconomics, socioeconomic status, census of population, 14835
- Sociology:**
 - Communist China, translations, 3951
 - development digest (periodical), 3202
 - Eastern Europe, translations, 3882
 - future international meetings, world list, 4074
 - philosophical development of theories, USSR study, 5024
 - quantitative methods, USSR study, 12678
 - rural poor, aspirations and expectations, guide to research, 17710
 - sociological problems of development of science and technology, USSR review of new literature, 16787
- Sockets, plug-in connector, accepts coaxial cable end, 5144
- Soda, Rajka, relief, 276, 861
- Soderstrom, Thomas R., taxonomic study of subgenus *Podosemum* and section *Epicampes* of *Muhlenbergia* (Gramineae), 17047
- Sodium:**
 - excretion and renal hemodynamics during lower body negative, 14770

INDEX 1967

Sodium—Continued

- human serum, estimation of change during simulated altitude and aerospace flights, 7341
- liquid, performance of face contact seal by incorporation of spiral-groove geometry, 11505
- liquid solutions, excess solute precipitation kinetics, 5359
- nonwetting, condensing mercury flow in horizontal cooled tubes, heat-transfer, experimental investigation, 11541
- nuclear reactors, sodium-cooled, USSR study, 6527
- operation of hydrodynamic journal bearings in sodium to 800° F, etc., 9901
- steady-state performance of NaK-cooled condenser, 12937
- thermodynamic properties of liquid metal solutions in sodium-mercury system, 9910
- vapors, expansion and flow characteristics, 2717
- Sodium acetate, effect on TmPAH depressed by exposure to hydrazine, 4177
- Sodium arsenite, possible eradicator of fusiform rust infections, 12581
- Sodium chloride, *see* Salt.
- Sodium-cooled fast reactors, *see* Reactors (atomic).
- Sodium cyanide, fused, use as electrolyte for deposition of iridium, 16865
- Sodium nitrate, incandescence of hot gases to methane and coal dust, reduction by sodium chloride and sodium nitrate, 11383
- Sodium tetraphenylborate, microlocalization of potassium in myofibrils, USSR studies, 14217
- Soenda Strait, sailing direction, change, 5330
- Soft drinks:
 - bottled and canned, census of manufactures, 1963, industry report supplement, 8933
 - industry, fair labor standards act, application, 17290
- Softwoods:
 - lumber, kiln-dried, dimensional changes after surfacing and during storage, 2300
 - plywood, construction and industrial, standard of trade, 11586
 - surfaces, ultraviolet irradiated and weathered and clear coatings, microscopic observations, 14123
 - see also* names of articles manufactured from softwoods.
- Sohl, Norman F., upper Cretaceous gastropods from Pierre shale at Red Bird, Wyo., 8161
- Soil conservation:
 - abstracts of material published, 8806
 - around the world, 14653
 - county committees, extend benefits to employees, hearing, 10870
 - cropland, 1964-65, conversion program, description and appraisal, 9388
 - districts—
 - highlights, 1966, digest of report, 8694
 - organization and services, 1710
 - status of organization by States, 17207
 - engineering practice standards, SCS national engineering handbook, 13122
 - flood routing, SCS national engineering handbook, 10087
 - loans to foster conservation, questions and answers, 4131
 - our American land, use the land, save the soil, 15839
 - publications, announcement and order form, 14614
 - research in Northeastern States, 28
 - soil conservation (periodical), 3883
 - soil conservation and domestic allotment act, amend with respect to assignment of payments, law, 455
 - statutes, compilation, 7262

Soil Conservation Service:

- activities, 17327
- appropriations, 1968, hearings, 10629, 12397
- career opportunities—
 - general, 5655
 - students, 1705
- conservation aid, CA series, 8693
- conservation information, CI series, 14650
- national engineering handbook, 14652
- policies and practices for rebuilding used motor vehicle tires, GAO review, 14162
- report 1966, digest, 8694
- SCS national engineering handbook, 10087, 13122
- what it is, what it does, 8693
- Soil engineering, *see* Soil mechanics.
- Soil erosion:
 - Coffee Creek flood of Dec. 1964, erosion and deposition, 17823
 - control—
 - highway embankment protection, use of riprap, 14640
 - structures for airfields and heliports, emergency construction, 110
 - Costa Rica, erosion control problems caused by ash eruptions of Irazú Volcano, 16686
 - exposure and logging effect on, 9537
 - waterline erosion control essential to streambank rehabilitation, 14099
- Soil mechanics, engineering conservation practice standards, SCS national engineering handbook, 13122
- Soil moisture, *see* Soils.
- Soils:
 - alluvial, sugarcane area of Louisiana, deep-tillage investigations, 1672
 - alpine, Wyoming, pot tests of productivity and nutritive status, 2317
 - applicator for precision placement of chemicals in soil, 1673
 - chemical sealing, feasibility study, 17849
 - citizen's stake in management (remarks), 13219
 - classifying and mapping, aerial-photo interpretation, 4096
 - conductivity in USSR, results of measurements, 14229
 - developed, protected, and geared for sustained use (remarks), 51
 - dynamic characteristics, measurement with penetrometers, 14396
 - evaporation of water, effect of sample size and environmental conditions, 10
 - forest floors and soils under true fir-hemlock stands in Cascade Range, characteristics, 11139
 - forested loess soils after repeated prescribed burns, properties, 8091
 - freezing point depression and heat capacity, thermodynamic relationships, 8878
 - Harrison County, Iowa, 1722
 - hydrologic and physical properties as analyzed, 1948-60, summary, 8182
 - interface between ice and silicate surfaces, 11982
 - know the soil you build on, 11927
 - laboratory stress-deformation characteristics of soils under static loading, 2596
 - landscape evolution and soil formation in southwestern Iowa, 14763
 - micro-organisms, simple, time-saving techniques for studies, 16656
 - Mississippi River Delta, monitoring agricultural pesticide residues, preliminary report of studies, 4086
 - moisture depletion by gambel oak, 4831
 - non-wettable, formation involves heat transfer mechanism, 11124
 - pesticides, equipment for applying, 14735
 - roots and rhizomes distribution in different soil types, Pine Barrens, N.J., 6408
 - science and saving water and soil, 15842

Soils—Continued

site index of Delaware-Maryland sweet-gum stands in relation to soil characteristics, 4832
 slippage increased by brush conversion, 11120
 soft, performance of pneumatic tires, dimensional analysis, 16527
 soil bank programs, statutes, compilation, 7262
 soil moisture tension, responses of 1-year-old cottonwood, 14122
 soil survey investigations reports, 13124-126, 14659-661, 17209, 18216
 soil survey laboratory data and descriptions—
 Colorado, 14659
 Georgia, North Carolina, South Carolina, 18216
 Kentucky, 13125
 Mississippi, 13124
 Oklahoma, 14660
 Puerto Rico and Virgin Islands, 14661
 Tennessee, 13126
 Wisconsin, 17209
 soil survey reports—
 Adams County, Pa., 13123
 Adams County, Wash., 18212
 Arenac County, Mich., 14654
 Beaver Creek area, Ariz., 11803
 Bremer County, Iowa, 18213
 Caldwell County, Ky., 8695
 Chicot County, Ark., 11813
 Coddington County, S. Dak., 7134
 Columbia County, Pa., 11804
 Comanche County, Okla., 15746
 Delta-Montrose area, Colo., 15747
 Elbert County, Colo., eastern part, 1611
 Ellis County, Okla., 8703
 Fisher County, Tex., 2877
 Franklin County, Mass., 8696
 Garfield County, Okla., 18214
 Gray County, Tex., 8697
 Greer County, Okla., 10088
 Grenada County, Miss., 11805
 Gwinett County, Ga., 15748
 Hall County, Tex., 14655
 Henderson County, Ky., 8698
 Houston and Peach Counties, Ga., 14656
 Iowa County, Iowa, 14657
 Jefferson County, Ky., 8704
 Judith basin area, Mont., 7136
 Kinney County, Tex., 11806
 Lafayette County, Wis., 1610
 Las Vegas and Eldorado Valleys area, Nev., 14662
 Love County, Okla., 8699
 Madison County, Ind., 8700
 Menard County, Tex., 8701
 Metcalfe County, Ky., 7135
 Monroe County, Miss., 5518
 Montgomery County, Pa., 11807
 Parke County, Ind., 13127
 Prince Georges County, Md., 11808
 Prowers County, Colo., 7137
 Queen Annes County, Md., 2874
 Randolph County, Ala., 18215
 Red Willow County, Nebr., 11809
 Rogers County, Okla., 1609
 Roosevelt County, N. Mex., 11810
 St. Francis County, Ark., 2875
 Seminole County, Fla., 2876
 Tate County, Miss., 11811
 Tehama County, Calif., 14658
 Tippah County, Miss., 1612
 Tolland County, Conn., 7138
 Treasure County, Mont., 10089
 Tri-County area, Cass, Ransom, and Richland Counties, N. Dak., 8702
 Tucker County and part of northern Randolph County, W. Va., 11812
 Warren County, Tenn., 17208
 Wood County, Ohio, 5517
 Zuni Mountain area, N. Mex., 15749

Soils—Continued

soil surveys—
 community planning and resource development, report, 2083
 erosion, conservation, publications, price list, 7052
 list, 11802
 stress and wave patterns, dynamic loads, 10255
 surface conditions following skyline logging, 14104
 surface soil recovers quickly after burn, 8097
 thermal conductivity probes, 4201
 see also headings beginning Soil.
 Soister, Paul E., geology of Puddle Springs quadrangle, Freemont County, Wyo., 12602
 Solauo, Julio A., relief, 13734, 16192, 17506
 Solar:
 NOTE.—For other subjects beginning Solar, see Sun.
 Solar array regulators of Explorer satellites, xii, xiv, xviii, xxi, xxvi, xxviii and Ariel 1, 12927
 Solar batteries:
 control circuit ensures solar cell operation at maximum power, 9832
 drift fields, simplified method introduces into cells, 9857
 silicon cell wafer, introducing selected impurities, process for controlling, 16949
 solar-cell space power systems using spectral dispersion, 15579, 16992
 Solar cells, see Solar batteries.
 Solar concentrator, electroformed nickel, geometric efficiency, 14469
 Solar energy:
 direct energy conversion systems for operation in 1.0 and 0.1 astronomical unit range, 6856
 solar-Brayton system turboalternator, parasitic-load speed control, analog computer study, 5258
 solidification in thermal-energy storage systems with axisymmetric heat-transfer solutions, analysis, 5246
 two-spool solar-Brayton system turboalternator, valve-speed control, 5257
 Solar engineering, research, USSR study, 11264
 Solar radiation, planetary albedo effect on solar orientation of spacecraft, 16985
 Solar reflectors, prism, dispersion, 15579
 Solar spectrum, see Spectra.
 Solar topography, see Topography.
 Solar winds and interplanetary magnetic fields, USSR study, 6749
 Solberg, Erling D.:
 comprehensive plans for improving rural counties, 7265
 suggestions for planning and zoning in Appalachia, 7884
 why and how of rural zoning, 15838
 Solder and soldering:
 brazo alloy holds bonding strength over wide temperature range, 5207
 brazing and brazing alloys, bibliography, 2618, 8439
 brazing tungsten, for high temperature nuclear service in hydrogen, 11506
 electrical connections, handbook, 13517
 high-strength braze joints between copper and steel, 14420
 silver-palladium braze alloy recovered from masking materials, 6793
 tin-lead solders and solder joints, tests, 11388
 ultrasonics permits brazing complex stainless steel assembly without flux, 11392
 Soldier fly larvae in America north of Mexico, 6957
 Soldiers:
 American Army officers' call, theirs to reason why, 15940

INDEX 1967

- Soldiers—Continued
civil relief act of 1940 and amendments, compilation, 1994
civil relief act, text, 755
professionalism and the soldier, pamphlet, 4212
Soldiers' deposits, *see* Deposits (soldiers, etc.).
Soldiers' Home, District of Columbia:
appropriations, 1967, law, 491
appropriations, 1968—
hearings, 9144, 13841
reports, 10612, 15082, 16287
Solenoids:
residual magnetism holds solenoid armature in desired position, 8464
superposed semi-infinite, calculating solenoid magnetic fields, 1469
valve—
design has one moving part, 14425
monitoring circuit accurately measures movement of, 2676
variable-pulse switching circuit controls actuations, 8456
Solicitor, Interior Dept., appropriations, 1968, hearings, 7734
Solid propellants, *see* Propellants.
Solid solutions, *see* Solutions.
Solid state image intensifiers, 5343
Solid state phase detector replaces bulky transformer circuit, 14442
Solid-state recoverable fuse functions as circuit breaker, 6845
Solid-state time-to-pulse-height converter developed, 8393
Solid system, numeric compression, alpha-numeric compression, 14519
Solid wastes program facts, 13095
Solidification:
radioactive wastes, symposium, proceedings, 5767
thermal-energy storage systems with axis-symmetric heat-transfer solutions, analysis, 5246
transient, of warm liquid flowing over chilled flat plate, 12935
Solids:
carbon, adsorption of carbon dioxide, 5351
contact with liquid, classification definitions, 18124
crack propagation theories, 17939
gas-motivated solids dispersion devices, 6687
gas-solids suspensions, power required to circulate, 15483
Interaction of solids colliding at high speeds, USSR study, 16744
solid-state physics, new developments, Hungary, 16751
Sollwoda, Sophia, relief, 529, 775
Solomon, Anthony M., address, Nov. 2, 1966, 2936
Solomon, Dale S., stump sprouting of 4 northern hardwoods, 8111
Solomon, J. D., clearwing borer in red oaks, 2326
Solomon Islands, British, mineral industry, minerals yearbook chapter, 9759
Solubility:
metals in liquid zinc, data compiled, 12844
oil-soluble sulfonates, effect of cation, and applicability of mass law, 17095
studies of ultra pure transition elements in ultra pure alkali metals, 1424
Solutes, renal excretion in rabbits, effect of —7 G_x acceleration, 14776
Solutions:
axisymmetric heat-transfer, in thermal-energy storage systems, solidification, analysis, 5246
dilute, form and stability of aluminum hydroxide complexes, 15313
Inorganic, foam fractionation, 12642
parenteral—
preparations, Federal standard, 2267
Solutions—Continued
parenteral—continued
safety of large volume, national symposium proceedings, 15275
solid carbide cathodes of uranium and zirconium, evaporation rates, USSR studies, 6522
xenon fluoride, effective as fluorinating agents, 12836
Solvents:
determination of gold in geologic materials by solvent extraction and atomic absorption, 16688
volatile, continuous flow, in-line fractionation and exchange in automated chemistry, 75
Somali Republic:
foreign trade regulations, 12137
labor conditions, 1387
technical cooperation, agreements, 7181, 13147
Soman conditional reflex activities of dogs poisoned with soman and then treated with nemkol-5, Bulgarian study, 6563
Somatic cytogenesis, *see* Cytogenesis.
Somers, Herman M., program for research in health economics, 10050
Somerset County, Maine, geology and petrology of Greenville quadrangle, 16684
Sommer, Simon C., structure of atmosphere from on-board measurements of pressure, etc., 9904
Sonar targets, ambiguity function independent of assumptions about bandwidth and carrier frequency, 8598
Sonata for 2 clarinets, student composers take over, 7911
Sondermayer, Roman V.:
mineral industry of—
Bulgaria, 6645
Czechoslovakia, 2551
East Germany, 8347
Hungary, 5111
Rumania, 6665
Yugoslavia, 16559
Sondreal, Everett A., bench-scale production of carbon disulfide from lignite char and sulfur, 5127
Song Hyung Ho., relief, 13617, 13784, 14900
Song Kyung Ho., *see* Song Hyung Ho.
Song Sin Talk, relief, 13617, 13784, 14900
Sonce, Alice, vocational education, annotated bibliography, 9414
Songs, Muskogean charm songs among Oklahoma Cherokees, 6973
Sonic boom:
Chicago area, measurements during bomber training operations, 1481
Integrals, numerical evaluation, application of Richardson's extrapolation, 6859
Mach number and geometry effects, 18041
propagation, effect of inversion waves, 9427
references, 4753
Sonic equipment, *see* Sound.
Sonoscope, field tests of concrete, 10-year summary of results, 7934
Soon Kim Kin, *see* Kim Kin Soon.
Sorenson, Richard C., manpower rotation policy models, 7404
Sorenson, Roy T., flotation procedures for fine-grained hematite ores of Marquette Range, Mich., 14335
Sorex, *see* Shrews.
Sorghum:
grain—
actions taken to strengthen under USDA programs (address), 24
evaluation of malathion, synergized pyrethrum, and diatomaceous earth as protectants against insects, 11933
growing, 4117
Sorption, *see* Electrosorption.

Sorrells, Russell B., III, measurement by wake momentum surveys of turbulent boundary layer skin friction on 5 swept wings, 2725

Sorting devices, nondestructive test method accurately sorts mixed bolts, 2679

Sotolongo, Julio C. Münz y, see Münz y Sotolongo, Julio C.

Souk You I, see You I Souk.

Sound:

- absorption in air versus humidity and temperature, 6707
- acoustic oscillations in simulated rocket combustion chambers, mechanical absorption, 5264
- acoustical measurements in shipbuilding, USSR book excerpts, 15418
- acoustics of ocean, USSR study, 6587
- calibrating ultrasonic test equipment for checking thin metal strip stock, 12832
- deep ocean acoustic sources, method for determining location, 8588
- electronic dummy for acoustical testing, 16946
- far-field acoustic environmental predictions for launch of Saturn, etc., 16981
- intensity increments, table, 136
- interaction between sound fields and structural vibrations, 9835
- monostatic acoustic scattering from ocean volume, 13034
- monostatic reflection of acoustic waves by elastic spheres techniques for numerically evaluation formulas, 14594
- pressure effect on cryogenic fluid, 12940
- principles, application to outdoor warning systems, 5915
- propagation, from airport ground operations, 11404
- propagation velocity, measurement in Indian Ocean water, USSR study, 15353
- refraction by jet flow and jet temperature, 14389
- scattering in ocean, USSR articles, 9627
- sonomicrometer, simple portable, 1741
- speed measurement by iterative reflection-interferometry, 9983
- ultrasounds—
 - attenuation for free electrons in presence of magnetic field, theoretical investigation, 2705
 - attenuation in superconduction niobium, 5273
 - effects on electrodeposition of copper alloys from cyanide electrolytes, 9787
 - energy effects on fluid flow in porous media, 14330
 - permits brazing complex stainless steel assembly without flux, 11392
 - propagation parameter measurements systematic errors, iterative reflection-interferometry method evaluated, 9983
 - pulse measurements in anisotropic lake ice, 1754
 - quality inspection of bonded honeycomb assemblies is automated, 2664
 - speaker for studies of acoustic sensitivity of moths, 4083
 - spectrometer, sensitive recording NMR, 2744
 - testing in practice of machine and boiler construction, etc., results, 13339
 - transmission properties of copper braze bonds, correlation with heat transfer properties, 8389
 - TV images improved by use of Lamb-wave orientation technique, 15494
 - ultrasound, biological effects, USSR study, 11268
 - wrench produces leaktight connections, 17965
 - volume, scattering in ocean, and measurement of acoustic characteristics of scattering layers, USSR study, 1166

Sound—Continued

- weather effect on transmission from explosive shots, 9773
- see also Noise.

Sound powered telephone talker's manual, 4422

Sound projectors, deep ocean acoustic sources, method for determining, 8588

Sound recordings:

- archive of recorded poetry and literature in Library of Congress, checklist, 5089
- housing and community development, bibliography, 11204
- recording and time expansion technique for high-speed, single-shot transient video signal, 11468

Sound, The, see Oresund.

Sounding rockets, see Rockets.

Soundproofing, houses, insulating from aircraft noise, study, 14188

Sonris River and Valley, geohydrology in vicinity of Minot, N. Dak., 14184

South (U.S.):

- and border States, Negro pupils, enrollment, 4711
- and border States, public school districts—equal educational opportunities programs, status of compliance, 10943
- status of compliance under civil rights act, 17725
- basic data on metabolic patterns in 7- to 10-year-old girls, selected Southern States, 13227
- education, problems (address), 2188
- employee earnings and hours in 8 metropolitan areas, 5071
- forest tree improvement research, 9542
- fresh fruit and vegetable unloads in southern cities, by commodities, States, etc., 7823

Midsouth—

- engineering and economic aspects of cotton gin operations, 12452
- growing loblolly and shortleaf pine, 8827

nonmetropolitan areas, employee earnings and hours, 15447

precipitation, effects of tropical cyclone rainfall, 15230

pulpwood production, 2339, 17809

school desegregation, 1966-67, study, 13436

South and the southerner, seminar on manpower policy and program, 5045

South Africa:

- atomic energy, cooperation for civil uses, agreement, 15801, 17240
- background notes, 1619
- Basutoland, Bechuanaland, and Swaziland, mineral industry, minerals yearbook chapter, 11357
- economy, basic data, 1944
- labor conditions—
 - Basutoland (Lesotho), 6617
 - Bechuanaland, 1366
 - South Africa, Republic of, 2514
 - South West Africa, 2515
 - Swaziland, 1389
- Lesotho—
 - background notes, 7140
 - continued application of certain treaties concluded between United States and United Kingdom, agreement, 8742
 - investment guarantees, agreement, 11865
 - mineral industry, minerals yearbook chapter, 9760
 - plant quarantine import requirements, 4089, 14734
- South West Africa—
 - background notes, 8710
 - capsule facts for Armed Forces, 13279
 - mineral industry, minerals yearbook chapter, 8364

INDEX 1967

- South Africa—Continued
Swaziland—
background notes, 7141
capsule facts for Armed Forces, 8873
United States relations with, hearings,
print additional copies, report, 13655
- South America :
angelfish, genus *Pterophyllum*, 8539
characid fishes of subtribe *Nannostomina*,
8537
east coast—
lights and fog signals, lists, 5331, 9972,
14578
tide tables, 12119
fertilizer minerals, sources, 1110
health information for travel, 13080
Pacific Coast, surface water temperature
and density, 17466
sailing directions, change, 11633, 13021
savings and loan associations, progress
made (address), 7960
west coast—
lights and fog signals, list, changes,
1537, 7004, 11642, 18099
tide tables, high and low water predic-
tions, 7555
- South Asia, *see* Asia.
- South Atlantic slope basins, *see* Atlantic
States.
- South Atlantic States, *see* Atlantic States.
- South Bend, Ind., area wage survey, 11327
- South Carolina :
census of agriculture, 1964, State and
county statistics, 10395
census of manufactures, 1963, area sta-
tistics, 4271
census of mineral industries, 1963, area
statistics, 5841
climatological data, 3096
congressional districts, 90th Congress,
1886
county business patterns, 4318, 12061
landings, fish and shellfish, 3884, 16614
mineral industry, minerals yearbook chap-
ter, 1404
minor elements in alluvial magnetite from
Inner Piedmont belt, 8172
postal map, 5396
precipitation data, hourly, 3401
Savannah River and vicinity, geology and
ground water for atomic energy plant,
16705
soil survey laboratory data and descrip-
tions, 18216
textile jobs for non-whites, etc., oppor-
tunities, 13994
- South-Central States, *see* Central States.
- South China Sea :
western shores—
sailing directions, changes, 7003, 11639
Singapore Strait to Hong Kong, sailing
directions, 17074
- South Dakota :
area measurement report, 7458
census of agriculture, 1964, State and
county statistics, 10394
census of mineral industries, 1963, area
statistics, 4297
climatological data, 3096
county business patterns, 1869, 12062
electric rate book, 2252
mineral industry, minerals yearbook chap-
ter, 5120
natural resources, 8209
postal map, 5397
precipitation data, hourly, 3401
public lands, use of income for schools,
etc.—
law, 12177
reports, 10733, 12262
radioactivity, airborne, 1952-55, maps,
1803
sedimentary rocks, chemical composition,
14172
- South Pacific, *see* Pacific area.
- South Pacific Ocean, *see* Pacific Islands.
- South Pole—Byrd supplement, seismological
bulletin, 3863
- South Vietnam, *see* Vietnam.
- South West Africa, *see* South Africa.
- Southeast (U.S.) :
America's fertile crescent (address), 4424
artesian water in Tertiary limestone, 6399
bauxite deposits of southeastern United
States (series), 2356-57, 9561
Federal power program, financial state-
ments, 1966, GAO examination, 15296
forest tree improvement research, 9542
ground water of Piedmont and Blue Ridge
provinces, 9566
how to see, general information, 1659
insect damage to corn at harvest time and
in farm storage, 14751
iron and steel scrap, sources, consumption,
etc., 12797
pulpwood, 1962-66, price trend, 15286
pulpwood prices, 2319
State and private forestry, more timber,
more jobs, 17798
- Southeast Asia, *see* Asia.
- Southeastern Forest Experiment Station,
publications, list, 11109
- Southeastern Power Administration :
appropriations, 1967, law, 403
appropriations, 1968—
hearings, 12287, 16393
report, 13678
quarterly report, 3798
southeastern Federal power program,
financial statements, 1966, GAO exami-
nation, 15296
- Southeastern States, *see* Southeast (U.S.).
- Southern Forest Experiment Station, pub-
lications, list, 3808, 8057
- Southern pine, *see* Pine.
- Southern Rhodesia, *see* Rhodesia.
- Southern States, *see* South (U.S.).
- Southern Ute Indians, *see* Ute Indians.
- Southern Utilization Research and Develop-
ment Division, publications and patents,
semiannual list 17, 8812
- Southport, N.C. :
harbor modification, engineer report—
departmental edition, 4740
document edition, 4475
- Southwell, C. R., corrosion of metals in tropi-
cal environments, copper and alloys,
9993
- Southwest (U.S.) :
cost of transporting freight by class 1 and
2 motor common carriers, 11235
High Plains of Colorado, ground water de-
velopment, 4893
low-income families in Spanish-surname
population, characteristics, 9389
ponderosa pine—
planting sites, herbicides for preparing,
14110
veneer volume and grade recovery, 14115
- Southwest Idaho project, construct, etc.,
hearings, 2052, 16418
- Southwestern Power Administration :
appropriations, 1967, law, 403
appropriations, 1968—
hearings, 12287, 16393
report, 13678
- Sovereignty, profiles of newly independent
states, 11826
- Sovie, Ronald J., radio-frequency induction
heating of low-pressure plasmas, 18035
- Soviet bloc :
conferences in Soviet bloc (periodical),
3130
countries hold symposium on methods of
determination, isolation and fractiona-
tion of nucleic acids, 6487
economic reforms, subcommittee report,
12291
Soviet-block research in geophysics, astron-
omy, and space (periodical), 3886
- Soviet public health (USSR periodical) :
translations, 3889

- Soviet Union, *see* Union of Soviet Socialist Republics.
- Soviet Zone of Germany, *see* Germany.
- Sowder, Arthur M., Christmas trees, tradition and trade, 13216
- Soybean meal, futures trading and open contracts, 3368
- Soybean oil:
futures trading and open contracts, 3368
stored, predicting quality, 15862
- Soybeans:
and products, transportation factors in marketing, 16546
futures, commitments of traders, 3112
futures trading and open contracts, 3366, 3368
growing, recommendations, 8828
stocks in all positions, 1644
- SP series, *see* FMC SP series—MA SP series—NASA SP series—Special publication SP series.
- Space:
office, for Senate, additional, bearing, 15176
standards, outdoor recreation, 14599
see also Outer space.
- Space Administration, *see* National Aeronautics and Space Administration.
- Space age, meaning (address), 1516
- Space biology:
Aleksandr L. Chizhevskiy, pioneer, 12737
medical and biological problems of space flights, USSR study, 1315
problems in space flight, USSR study, 6485
radiation, 10317
Soviet conference, reports, 1228
what should cosmonauts breathe? USSR study, 5019
- Space cabins, *see* Spacecraft.
- Space communications:
Apollo data, direct relay via communications satellite, feasibility, 15559
progress report, hearings, 2111
satellites for transmission of unidirectional (simplex) programs, use, USSR study, 15386
spacecraft tracking and communication, NASA facts, 16922
- Space environment, *see* Environment.
- Space exploration, *see* Outer space.
- Space flight, *see* Astronautics.
- Space medicine, *see* Medicine.
- Space navigation, *see* Navigation.
- Space photography, *see* Photography.
- Space pilots, *see* Astronauts.
- Space port, *see* Launching facilities.
- Space probes, space trajectories program for IBM, 7090, 15524
see also Pioneer space probes.
- Space radiation biology, 10317
- Space sciences:
and applications program, 17021
report to Space Science Board, 2732
Goddard Space Flight Center publications, 1959-62 collection, 11578
mathematics in space science (series), 8513
NASA's space science and applications program, 12877
significant achievements, 8435
space applications, survey, 9824
technology, 8433
- Space simulators:
clean vacuum with 1-watt refrigerator, attainment, 12930
NASA facts, 16925
trace contaminants collected, analysis of samples by microwave microscopy, 5711
utilization of infrared spectrophotometry in microcontaminant studies in sealed environments, 8869
- Space stations:
dynamic response of elastic space stations, study, 15523
manned orbiting, thermal control considerations, 11538
- Space stations—Continued
spinning, optimal attitude regulator, design method, 6894
- Space suits:
extravehicular protection and operations, study, 12859
human water exchange, 12863
integrated mobility measurement of man and notation system for designing purposes, 11451
thermal manikin, 1435
- Space technology:
dynamic behavior of liquids in moving containers, with applications to space vehicle technology, 5189
Goddard Space Flight Center publications, 1959-62 collection, 11579
notes, 6730-31, 8433
telecommunications, 6731
- Space telemetry, *see* Telemetry.
- Space vehicles, *see* Spacecraft.
- Spacecraft:
acceleration load factor and velocity information, display in spacecraft entry monitoring system, 14439
aeroballistic launch vehicles, minimax attitude control, errata, 1419
aerospace maintenance safety, 2992
aerospace systems and equipment, human engineering design criteria, military standard, 15191
aerospace vehicle structures, metallic materials and elements, military handbook, 7860, 9370
- Apollo—
command module—
low-speed dynamic-model investigation of configurations in Langley spin tunnel, 14452
stability characteristics, 8560
data, direct relay via communication satellite, feasibility, 15559
infrared equipped for reentry tracking, navigation accuracy, 1507
landings, water pressures and accelerations encountered, dynamic model investigation, 16970
launch escape vehicle, aerodynamic stability characteristics, 12925
lunar module, linearized error analysis of onboard primary navigation systems, 15556
lunar return, entry conditions encountered, trajectory optimization, 9919
passive infrared acquisition and tracking system, analysis, 5177
pitch control motor for launch escape system, qualification evaluation, 15560
probe antennas, effects on aerodynamic characteristics, 12948
- Apollo/Saturn V replica model, design and fabrication considerations, 16988
- arbitrary rotating, equations of motion, approximate solutions, 18054
- attitude control—
during launch, 14384
in space, 15500
sensors, survey, 12882
systems, equilibrium analysis and application to, 14499
two subliming-solid-propellant thruster systems performance, 6884
- body motions and angles of attack during Project Fire Flight II reentry, 8020
- cabins, atmospheres—
engineering tradeoffs of one-vs. 2-gas systems, literature review, 12879
physiological factors of inert gases, 9023
selection, engineering criteria, 16912
- combustibility of materials in oxygen-hellum and oxygen-nitrogen atmospheres, 5706
- composite materials for space vehicle application, 12861
- contaminants produced by man in space cabin simulator, 11955

Spacecraft—Continued

control, applications of artificial intelligence techniques, 12854
 countdown, NASA facts, 16923
 deformation of shallow spherical sandwich shells under local loading, 6895
 Delta 36 (OT-3), performance of X-25S 30-stage motor, 14460
 delta launch vehicle, lunar orbit mission analysis, 11495
 design review for space systems, 14405
 display-control systems, advanced integrated, simulator evaluations, 14374
 dynamic behavior of liquids in moving containers, 5189
 electrical connections, soldering, handbook, 15517
 entry or reentry vehicles—
 configurations, conical, etc., subsonic longitudinal aerodynamic characteristics, 2701
 feasibility, parametric design, and analysis of unguided solid fuel rocket vehicle, 12853
 heat shield, sensors measure surface ablation rate, 6758
 lifting, ceramic heat shields, study, 15509
 manned lifting vehicles, refurbishable thermostuctural panels, research, 2605
 piloted, evaluation of lateral-directional handling qualities, 12860
 refurbishable panel, attachment mechanisms suitable for application, 5160
 shapes, axisymmetric low-fineness-ratio, aerodynamic characteristics, at Mach 6.9, 14495
 tension shell configurations, flow field and heat-transfer investigation, 5270
 unmanned vehicles, tension shell and blunted 100° conical shapes, transonic aerodynamic investigation, 1504
 environment control systems, oxygen regeneration, electrolysis cell, 2607
 environment-simulation testing, effectiveness, 11543
 ESSA, 1st fully operational weather satellite system, 1033
 Federal item identification guides for supply cataloging, supplements, 2293
 fibrous reinforcements for space applications, 11418
 flight control systems, analysis and design, 12871-876, 14383-384, 15497-503
 Gemini—
 configurations, damping and stability in pitch and yaw, errors, 1474
 escape system, development and qualification, 12945
 experiment D-14, dual-channel, VHF-UHF transmitter, 10004
 editorial review, 1438
 VHF-UHF polarization experiment D-14, antennas, 10009
 Gemini-Agena docking, pilot-controlled, results of simulations employing full-size visual cues, 1495
 guidance and control, 6730
 guidance, electromagnetic study, 16896
 heat transfer and temperatures distribution of conical porous membrane during planetary entry, 11554
 HL-10 manned lifting entry vehicle, dynamic model, landing characteristics, 2685
 human operator response to—
 speed, etc., review, analysis and device demonstration, 16904
 step transitions in controlled element dynamics, 5172
 Interplanetary vehicles, low-thrust, error analysis of celestial-inertial navigation, 8424
 land landing couch dynamics computer program, 15530

Spacecraft—Continued

landing, Gemini land landing development program—
 full-scale investigations, 6901
 supporting investigation, 6902
 launch vehicles—
 adaptive control, analysis and design, 15501
 axisymmetric vibrations of partially liquid-filled cylindrical containers, 12942
 flight loads, effect of canards in reducing, 14496
 manual guidance of upper stages, piloted simulation study, 9887
 simulated, effects of configuration geometry on supersonic aerodynamic characteristics, 5239
 structural integrity of full-scale segments at transonic speed, verifying technique, 6906
 unguided, slender-body, multistage, aerodynamic divergence characteristics, 9883
 United States, for peaceful exploration of space, NASA facts, 9822
 wind and turbulence response by non-stationary statistical methods, 15505
 lifting-body—
 all-flexible parawing for landing, low-speed tests, 11550
 NASA facts, 8430
 liquid-propellant multistage launch vehicle, response of scale model to longitudinal excitation, 11522
 Little Joe II-lunar module model, hammer-head shaped, static longitudinal aerodynamic characteristics, 18013
 location, random-scan display of predicted position, 9904
 lunar-landing research vehicle—
 electronic flight control systems, operational experience, 1496
 Langley research facility, 6875
 lunar-landing vehicle—
 motion during landing impact, procedure for computing, 18043
 touchdown stability, dynamic model investigation, 18042
 lunar module—
 docking with Apollo command module in lunar orbit, dynamic simulation, 11520
 manual control of thrust axis during planar ascent from lunar surface to circular orbit, 1490, 14449
 Lunar Orbiter I—
 extended mission operations, 14395
 extended-mission subsystem performance, 16900
 photography, 14394
 Lunar Orbiter II, photographic mission summary, 17936
 lunar orbiting space vehicles, computer program determines thermal environment and temperature history, 16951
 maintenance and assembly functions, extravehicular, astronaut capabilities to perform in weightless conditions, 15507
 manned—
 extravehicular activities in assembly and operation of large structures, 16901
 lunar landing research vehicle, on-off rate command attitude control system flight-test evaluation, 9888
 orbital, deduction of reentry plasma properties from radio signal attenuation data, 14494
 Mariner IV, review of results, 14402
 matrix-Holzer analyses for fully-coupled vibrations of clustered launch-vehicle configurations, 5158
 measurement of extremely feeble torques on massive bodies, 2636
 medical services and facilities on board, USSR, 8245

Spacecraft—Continued

Mercury-Atlas 7, spacecraft 18, 2d manned 3-pass orbital mission, description and performance analysis, 6865
microbiological examination of space hardware, NASA standard procedures, 15521
midcourse navigation using statistical filter theory, manual theodolite, and symbolic computer control, 6905
minimum fuel ascent from lunar surface, 16994
model, construction units for secondary school industrial arts, 2594
orbital recovery program, selection of recovery sites for return from low circular orbits, 12970
orbiting, use of analog computation in predicting dynamic temperature excursions, 6853
pilot controlled docking simulation of Apollo command and service module with lunar module, 2689
Pioneer spacecraft, NASA facts, 16924
power systems—
advanced technology conference, 1440
electrical component technology, design study, 15964-965, 17399
nuclear reactor simulator for nonnuclear testing, design, etc., 14487
solar-cells, spectral dispersion, 15579, 16992
powerplant, 3-loop Rankine-cycle, steady-state and dynamic operating characteristics, 2603
problem of optimally disorbiting vehicle initially in elliptical orbit, solutions, 8427
Project Mercury afterbody, flight test aerodynamic heating data compared with prediction methods, 14372
random noise and vibration in space vehicles, 17705
refrigerator, gravity independent vapor absorption, 14385
rendezvous and docking, flight control systems, analysis and design, 12874
reusable vehicles, X-15 airplane operation and cost experience, 2711
rotor entry vehicle model, heat-transfer measurements on rotor blade, 12965
rough-water landing characteristics, dynamic model investigation, 9871
slosh dynamics study in near zero gravity, description, 11530
small scientific, application of stored-program computer, 11533
solar orientation, effect of planetary albedo, 16985
spacecraft oceanography, United States activities, 18085
spinning, simulation of—
deployment dynamics, 14471
reaction jet damping and attitude control system, 8485
stability characteristics at Mach numbers of 16 and 26 of proposed slender atmospheric probe, 9894
stability of attitude control systems acted upon by random perturbations, 11399
sterilization technology, conference papers, 5190
storage of biological samples, 9820
structures—
filamentary, meteoroid damage, 16899
modal combination computer program for dynamic analysis, 15527
subsonic static and dynamic stability characteristics of 120° cone configurations, 6893
Surveyor III, preliminary report, 14403
test personnel, use of remotely operated valve to protect, 15551
three-axis attitude and direction reference instrument has only one moving part, 6806

Spacecraft—Continued

tracking and communication, NASA facts, 16922
tracking task for man-machine research related to operator's effective delay time, 1426
USAF aerospace vehicles, information handbook, 15882
vestibular system and human dynamic space orientation, 1428
viral antibody production in animals exposed to space cabin environment, 74
visual attitude orientation and alignment system, 11457
Voskhod spaceship, methods of programmed physiological measurements and experience of its use, USSR study, 6533
Voskhod-2, orbital flight, cardiovascular and respiratory reactions of crewmen, 6555
Voyager 1973 Mars Mission, space flight investigations, opportunities for participation, 17019
see also Launching facilities.—Satellites.
Spacecraft accidents:
Apollo, Jan. 27, 1967—
bearings, 6088-89, 9299, 10796, 12316, 12396
report of review board, 9931, 17020
Spacelights, see Astronautics.
Spaceport, see Launching facilities.
Spaceship crews:
cardiovascular and respiratory reactions during Voskhod-2 orbital flight, 6555
Gemini escape system, development and qualification, 12945
SPAD (Satellite Position Prediction and Display) equipment, see Electronic computers.
Spaeth, M. G., wave reporting procedures for tide observers in seismic sea wave warning system, 4112
Spain:
atomic energy cooperation for civil uses, agreement, 8736
background notes, 10094
cotton textiles, trade, agreement, 7162
market factors, 13459
mineral industry, minerals yearbook chapter, 12807
tracking stations, agreement, 11833
west coast, sailing directions, change, 7001, 17071
Spalding-Chi method, turbulent-skin-friction and heat-transfer charts, adapted, 11518
Spalvins, Tālivaldis, deposition of thin films by ion plating on surfaces having various configurations, 1510
Spangler, Jack G., effects of periodic blowing through flush transverse slots on turbulent boundary layer skin friction, 1431
Spaniol, Joseph F., jr., United States courts, their jurisdiction and work, 10662
Spanish-Americans:
civil rights status, in Kleberg, Nueces, and San Patricio Counties, Tex., 14848
low-income families in Spanish-surname population of Southwest, characteristics, 9389
Spanish language:
programmatic course, 14682
instructor's manual, 13142
se habla español, help for Spanish speaking youngsters, 13964
Spanish West Africa, Spanish Sahara, labor conditions, 5079
Spanworms, elm, annotated bibliography, 2287
Spare parts, see Repair parts.
Sparks, Alton N., large-scale field evaluation of electric insect traps to reduce bollworm populations in Reeves County, Tex., 11915
Sparks, tracer-spark technique for flow-velocity measurements in hypersonic stream, 12856

INDEX 1967

- Sparta, Wis., war on poverty, examination, hearings, 17665
- Speakers, *see* Loud speakers.
- Speakers Bureau for Washington Metropolitan area, 5798
- Speaking of space and aeronautics (series), 2733-34, 5280-81, 9932, 17022, 18059
- Special Assistant to the President for Consumer Affairs, Office of, press releases, 3761
- Special current business reports (series), 3573
- Special Forces, operational funds, NGB pamphlet, 5299
- Special groups, *see* Minorities.
- Special publication SP series, 13024
- Special reports, Cold Regions Research and Engineering Laboratory, 98, 1755, 4198-99, 15931
- Special Representative for Trade Negotiations, Office of:
 appropriations, 1967, law, 501
 appropriations, 1968—
 hearings, 10632, 16390
 reports, 10616, 16372
 nomination of William M. Roth to be Special Representative, hearing, 6107
 press releases, 3762
- Specialists:
 education specialist and supervisory education specialist, examination announcement—
 amendment, 205
 discontinuance notice, 5931
 educational media, national defense education act, institutes for advanced study, summer 1967, handbook for directors, 1003
 freight rate specialist, examination announcement, 206
 intergroup relations, examination announcement, 1923
 standardization, training must be improved, USSR study, 11261
see also types of specialists, or occupations.
- Specific gravity:
 increment cores from interior Alaska trees, 4835
 loss in stored cottonwood and willow, relationship to visual estimates of decay, 2299
 plantation-grown red pine, predicting, 8061
 sulfuric acid, refractometric sensing in lead-acid cell operation, 18112
- Specific heat, low temperature, of palladium containing interstitial hydrogen, 1548
- Specific risk investment guaranty handbook, 4925
- Specific yield, compilation of specific yields for various materials, 16701
- Specifications, *see* Government supplies—
also names of departments, etc., issuing specifications—*also* subjects.
- Specimen handling:
 enzyme method of clearing and staining small vertebrates, 11605
 storage of biological samples taken during orbital flight, 9820
- Spectacles, eyeglass frames, Tariff Commission report, 18236
- Spectra:
 absorption bands of H_2O , D_2O , and CS_2 , intensity measurements, 1550
 acridine orange-DNA complex spectra, USSR, study, 12702
 beta excited X-ray spectra, compilation, 5789
 cadmium sulfide spectrum, effect of optical radiations, etc., on trapping, 14455
 characteristics of water-soluble protein fraction of human brain, 12707
 computer programs perform spectral analyses of up to 7 time series, 2661
- Spectra—Continued
 differential energy and angle Cs137 gamma rays in water and air, 13326
 dynamic data characterized by time-varying frequency spectrum, method of analyzing, 16996
 emission, of various thermoluminescent materials, 1552
 energy distribution of unfiltered X-rays from 250 kV constant potential machine, 1789
 far infrared spectra of silicate minerals, study, 9841
 flash spectrum from solar eclipse, 11551
 frequency spectrum of short-period fluctuations of sea water temperature, USSR study, 1180
 gamma-ray, analysis by method of least squares, computer program, 8630
 infrared—
 metal oxides, 2723
 plastics and resins, elastomers, 15636
 ion chambers simplify absolute intensity measurements in vacuum ultraviolet, 1447
 lunar gamma radiation, spectral composition, USSR study, 1281
 neutron spectral consideration affecting projected estimates of radiation embrittlement of Army SM-1A reactor pressure vessel, 1554
 power spectral densities, off-road ground roughness, 4195
 power-spectral-density computer program, 11481
 power spectral shapes, fatigue life under random loading, 17013
 solar-cell space power systems using spectral dispersion, 15579, 16992
 solar spectrum 2935A to 8770A, table, 1522
 spark-source mass spectra of aromatic hydrocarbons using spinning electrode, 11380
 spectral energy source, control apparatus, 18004
 stellar, theory, 12975
 system input, experimental effects in tracking task for man-machine research, 5174
 tables of spectral-line intensities below 2450 angstroms, revision, 14514
 X-ray, produced when thick silicon targets are bombarded with 1.05 and 1.25 million volts electrons, 2683
 X-ray spectral analysis, production of instruments, USSR study, 8265
- Spectrochemical analysis, *see* Spectroscopy.
- Spectrograms, artificial meteors, photometry, 9902
- Spectrographs, fast slitless, description, 18014
- Spectrography, emission, determines trace levels of metallic corrosion, 6850
- Spectrometers:
 fast neutron, advanced design, 2669
 grating, performance capabilities, 1549
 mass—
 miniaturized double-focusing, evaluation, 2599
 solid materials analysis with ion-microprobe sputter source, 5178
 mass, duty-free entry for—
 Indiana University, 7652, 14888, 16356
 Princeton University, 618, 7651, 14885, 16354
 nuclear magnetic resonance, improved, 14433
 portable, monitors inert gas shield in welding process, 16960
 sensitive recording NMR ultrasonic spectrometer, 2744
 X-ray wavelength conversion tables and graphs for qualitative electron probe microanalysis, 17039

Spectrometry:

atomic absorption, determination of gold in geologic materials, 16688
 coal, advances, absorption, 16848
 gas chromatographic-mass spectrometric methods of analysis, review, 13023
 infrared and ultraviolet techniques and spectra-structure correlations, 6631
 ionizing radiation, main problems, 123

mass—

analytical methods, 11351
 spectrometric analyses of coal-tar distillates and residues, 14354
 trace elements contained in samples from closed environment at 258 mm. hg, analysis, 10234

reactor fuel element solution, analysis, 13333

Spectrophotometers, transmission characteristics of autoanalyzer colorimeter filters determination, 7352**Spectrophotometry:**

atomic absorption, modified method for determining uranium isotopes, 14368

infrared—

measurement of trace levels of deuterium oxide in biologic fluids, 11964
 use in quantitation of trace levels of deuterium oxide in water, 10236
 utilization in microcontaminant studies in sealed environment, 8869

report, 14518

slitless absolute spectral photometry method, 5247

transmission, determines blood oxygen saturation of hemolyzed samples, 16936

Spectroscopy:

far infrared spectra of silicate minerals, study, 9841

flame spectroscopy analytical applications, 1800-1966, bibliography, 8519

infrared absorption, use for representation of lipids of skin surface, Yugoslavian study, 12667

infrared, intensity measurements of absorption bands of H_2O , D_2O , and CS_2 , 1550

mass, bibliography of literature, compiled by computer method, 15961, 17393

microwave, analysis of samples, for trace contaminants collected from space simulator, 5711

Mosbauer, standard for chemical shift of iron compounds, 15588

spectrochemical analysis of coal ash, 14342
 temperature measurements in plasmas, 2714

Spectrum, *see* Spectra.

Spectrum analyzers, calibration, means for rapid method, 14443

Speculation:

corn futures, trading, 16112

futures trading and open contracts—
 cotton, wool and wool tops, cottonseed oil, and soybeans, 3366

eggs and butter, 3369

potatoes and butter, 3367

wheat, corn, oats, rye, soybeans, and soybean products, 3363

potatoes, wool futures, commitments of traders, 3111

trading in commodity futures, regulations dealing with excessive credit, hearings, 17594

wheat, corn, oats, etc., commitments of traders, 3112

Speech:

disorders, causes, etc., 18178

intentional characteristics as criterion of emotional state of man under conditions of space flight, analysis, 6507

pathology, professional careers, examination announcement, 13448

speech process, conference proceedings, 7061

Speech pathologist, examination announcement, discontinuance notice, 14861

Speed:

optimal speed problems, USSR study, 4959
 parasitic-load speed control for solar-Brayton system turboalternator, 5258
 static parasitic speed controller for Brayton-cycle turboalternator, 17004
 two-spool solar-Brayton system turboalternator, valve-speed control, 5257
see also Air speed.

Speers, Charles F., pales weevil, 4821

Speir, Reginald, soil survey of Adams County, Pa., 13123

Spelling improvement, phoneme-grapheme correspondences as cues, 1010

Spencer, Bernard, Jr., hypersonic aerodynamic performance of minimum-wage-drag bodies, 1515, 16971

Spencer, John D., pneumatic transportation of solids, symposium, 2542

Spencer, John S., Jr., Arizona's forests, 2336

Spencer, Richard N., electric smelting of complex lead-zinc sinter, 14353

Spencer, Robert H., tip vortex core thickening for application to helicopter rotor noise reduction, 4220

Spergel, Howard, busing kids to suburbs, 10928

Spermatozoa, rabbit, electronic method for counting and sizing, 11954

Sphaerocellulopsis monothrix, *see* Crustaceans.

Spheres:

ballasted, dynamic flight behavior at Mach numbers 0.4 to 14.5, 18029

behavior and measurement of wind profiles, 11537

dielectric, immersed in collisional plasma, resonant frequencies, 12929

diffraction of normal shock wave by sphere, 17015

elastic, monostatic reflection of acoustic waves, techniques for numerically evaluating formulas, 14594

forces on sphere moving steadily along circular path in viscous fluid, 10258

microscopic, drag coefficients in free-molecule flow, 11407

opaque, in space, theoretical solution on nonlinear problem of transient cooling, 14458

see also Ulbricht sphere.

Spherical joint connects axially misaligned flanges, 15543

Spheroids:

orbital prediction and differential correction using Vinti's spheroidal theory for artificial satellites, 8482

radial spheroidal wave functions of 1st and 2d type, tables—

oblate, 10002, 17087

prolate, 10010

Sphyrnidae, *see* Sharks.

Spices, foreign agriculture circulars, 3345

Spider monkeys, *see* Monkeys.

Spies, *see* Espionage.

Spijkerman, Jon J., Mossbauer spectroscopy standard for chemical shift of iron compounds, 15588

Spillways:

Holt Lock and Dam, Warrior River, Ala., hydraulic model investigation, 4744

Lower Monumental Dam, Snake River, Wash., hydraulic model investigation, 10949

Spin (aircraft):

relationship between magnitude of applied spin recovery moment and ensuing number of recovery turns, 14474

Spin (atomic):

finite lattice heat capacity effects on spin-lattice relaxation, 4516

Spin (spacecraft):

deployment dynamics of spinning spacecraft, simulation, 14471

Spin reduction, *see* Despinning.

Spinach, canned, U.S. standards for grades, 10879

- Spinal cord :
 - injuries and diseases, research funds, law, 419
 - injury, bibliography, supplement, 5585
 - neuronal structure and synapses, characteristics and significance in carnivorae, USSR study, 12711
- Spindler, Evelyn B., what to do when your home freezer stops, 10173
- Spindler, Russell S., world geography II, high school course, study guide to be used with USAFI course D 226, 15180
- Spinel, recrystallization of chrome spinel, 9775
- Spinning :
 - cotton properties, as affected by management practices, 11945
 - paraboidal tension networks, 16903
- Spiny bollworm, *see* Bollworms.
- Spiral spring/strain gage combination accurately measures shock induced deflection, 1468
- Spiritous liquors, *see* Liquors.
- Splices, *see* Connectors (electric).
- Spokane, Wash., area wage survey, 16815
- Sponsors :
 - Neighborhood Youth Corps projects, directory, 2486
 - Neighborhood Youth Corps, technical information guide to placement of enrollees with epilepsy, 2488
- Spool valve cycles at controlled frequency, 2635
- Sport Arbitration Board, progress, hearing, 17646
- Sport fisheries, *see* Fish and fisheries.
- Sport Fisheries and Wildlife Bureau :
 - appropriations, 1968, hearings, 7734
 - employment opportunities, 14056
 - policy for animal damage control, 11078
 - resource publications (series), 1081, 2280-81, 4808, 6356, 8033-34, 12548, 15267, 16624-626, 17784-785
 - technical papers, 4811-12, 8042, 12551, 14070, 16636, 17787
- Sporting goods, Federal item identification guides for supply cataloging, supplements, 3292
- Sports :
 - national sports and physical fitness test, 1561
 - Peace Corps, 5384
 - underwater, USSR, 6490, 6552
- Spotlight on day care, 1894
- Spotsylvania, Battle of, 1864, where hundred thousand fell, 1533
- Sprague, G. F., corn production, 1682
- Spray-dried milk, *see* Milk.
- Spray-on electrodes enable ECG monitoring of physically active subjects, 9825C
- Sprayable birefringent coating enables strain measurements on large surfaces, 2680
- Sprayers, power, general information, 1691
- Sprays and spraying :
 - aerial application, problems
 - detection of mild poisoning by pesticides, automated method, 13351
 - endrin and carbon tetrachloride, 4252 I.-V., 17410
 - gibberellic acid spray, effect on seedlings of eastern redcedar, bur oak, and red oak, 11129
 - plasma spray process, use in producing multilayer refractory nozzles, 6774
 - spread factor of water droplets, 10149
- Spremann, Kenneth P., free-steam interference effects on effectiveness of control jets near wing tip of VTOL aircraft model, 14478
- Spring, freezing temperatures damage knob-cone pine, 8117
- Springer, Victor G., revision of circumtropical shorefish genus *Eutamias*, etc., 11604
- Springfield, H. W., percentage of filled four-wing salthush seeds, 11128
- Springfield, Mass., housing discrimination, report, 4385
- Spring (mechanism) :
 - air spring suspension system for vibration testing, 9881
 - elastic guides reduce hysteresis effect in Belleville spring package, 8450
 - excellent spring properties developed in 2 nickel alloys for use at cryogenic temperatures, 17930
- Sprinklers, irrigation systems, description, buying, etc., 5638
- Sprout prevention in potatoes, 17301
- Spruce :
 - Engelmann—
 - defect estimation, Blue Mountains of Oregon and Washington, 2289
 - indicators and associated decay, Colorado, 6371
 - spruce-fir clearcuttings in Colorado, stocking of reproduction, 2314
- Spruce budworms, *see* Budworms.
- Spur gears, *see* Gears.
- Spurlock, Hughes H., competitive position of U.S. farm products in Japanese market, 995
- Sputtering, ion-microprobe sputter source, mass spectrometer analysis of solid materials, 5178
- Squads, raising, 13221
- Squad leaders, guide for squad leaders, Army pamphlet, 11988
- Squash, pickleworm control, 4116
- Squaxia Indians, convey land to Squaxin Island Tribe, reports, 16239, 17627
- Squids, review of Vulybyteuthidae and evaluation of its relationship with Chiroteuthidae, etc., 14538
- Squire, James L., Jr., surface temperature gradients observed in marine areas receiving warm water discharges, 14070
- Sprawley, John E., stress intensity factors for crackline-loaded edge-crack specimens, 6869
- Srinivasan, S., simultaneous development of velocity and concentration profiles in reverse osmosis systems, 11218
- SRS series, 5550
- SSA, *see* Social Security Administration.
- SSC, *see* Ship Structure Committee.
- SSI series, 11801, 14647-649, 15741-742, 17204, 18209-210
- SST (supersonic transport), *see* Airplanes.
- Stabe, Roy G., cold-air performance evaluation of fuel pump turbine for M-1 hydrogen-oxygen rocket engine, 6868
- Stability :
 - dynamic, of rotor-bearing systems, 1439
 - numerical solutions of ordinary differential equations, 5243
 - precision capacitor has improved temperature and operational stability, 16885
 - riprap, under wave action, rock movement in large-scale tests, 16520
 - static—
 - effects of jet pluming of ballistic bodies at Mach number of 6.00, 2691
 - effects of jet pluming on rocket models, 14467
 - single-stage sounding rocket, investigation, 12933
 - theory of multistep methods, 11523
 - thermosetting plastics, improved strength, thermal and chemical stability, 14412
- Stability of aircraft :
 - all-flexible parawing vehicle, wind-tunnel investigation of static aerodynamic characteristics, 11488
 - augmentation system, effects on performance of non-instrument-qualified light-aircraft pilots during instrument flight, 11519
- DYNAGYRO, mechanical stability augmentation system for helicopters, 13307
- dynamic, transport cruising at Mach number 3, errata, 14447

Stability of aircraft—Continued

Gemini configurations, oscillatory stability in pitch and yaw, errata, 1474
influence of response feedback loops on lateral-directional dynamics of variable-stability transport aircraft, 11516
static stability characteristics of 76° swept arrow wing model, etc., 14473
variable-sweep tactical fighter model, rolling stability derivatives at subsonic and transonic speeds, 6887

Stability of spacecraft, see Spacecraft.**Stabilization:**

economic, promote by requiring disclosure of finance charges for extended credit—hearings, 10822, 12402
report, 13812

lead-zinc industry—

hearing, 12413
report, 10752
national policies, ideology and inflation, implications of price and wage trends (remarks), 15249

Stacking-fault energy, *see* Force and energy.
Stacyville quadrangle, Maine, bedrock geology, 17825

Stadiums, seating, market analysis, 14132

Staff development, *see* Administrative development.

Staff nurses, *see* Nurses and nursing.

Staffing American colleges and universities, 7913

Stage, *see* Drama.

Stagnation point:

boundary layer with suction and injection in equilibrium dissociating air, 8499
general 3-dimensional, heat and mass transfer, 12869

Stainless steel:

alloys—
alloy 301, materials data handbook, announcement and distribution information, 9851

corrosion resistance in nuclear reactor superheaters, 9797

In aqueous environments, crack propagation, delayed failure, and residual static strength, 6872

complex assembly, ultrasonics permits brazing without flux, 11392

electroless nickel plating, 5202

powder compact, homogeneity characterization of NBS spectrometric standards, 2737

stabilization of carbon and nitrogen, and its effect on mass transfer in stainless steel-Cb-Zr-potassium system, 12864

stabilizing components for cryogenic service, 17987

surgical cutting instruments, USSR study, 6317

table firmware, Tariff Commission report, 1646, 17235

type 316, high temperature vacuum fatigue testing with resonance-type machine, 11676

Stains and staining:

procion bright-red as vital stain, USSR study, 14212

vital staining of muscle tissue during excitation, USSR study, 14255

Stains and staining (microscopy):
enzyme method of clearing and staining small vertebrates, 11605

Weil stain on liver, biochemistry, aerial application, problems, 10320

Stall (aircraft):

pitch-up, piloted simulation study of operational aspects, 12967

stall barrier as new preventive in aviation accidents, 1823

Stallings, Robert L. jr., local flow properties and drag coefficients for family of blunt bodies, 18056

La Stampa (periodical):

index, 3410

La Stampa sera (periodical):

index, 3410

Stamper, John W., titanium, 8380

Stamps, *see* Food stamps—Migratory-bird-hunting stamps—Postage stamps.

Standard industrial classification manual, 8922

Standard Magnetic Observatory, *see* Automatic Standard Magnetic Observatory.

Standard Meat Co., relief, 7640

Standard terminology for instruction in State and local school systems, 10942

Standards and Conduct, Select Committee on, House:

create—
hearings, 6042, 7754
report, 651

Standard and Conduct, Select Committee on, Senate:

hearings, 9331
report, 9296

Standards and standardization:

commercial standard series, 5283, 8517, 11581, 12978

DCS equipments/systems performance standardization program, DCA circular, 9360

Defense Department—

cataloging and standardization program, semiannual reports, 6032, 7739, 16313

specifications and standards, index, 13920, 15188

supplements, 3412

standardization documents, supply classification listing, 3324, 13919

standardization policies, procedures, etc., manual, 3893

directory of United States activities, 15589

directory SD series, 16474

Federal specifications and standards, index, 6335

supplements, 3409

Federal standards, 1072, 2267-70, 4794-96, 6307-33, 8008, 9498, 11062-65, 16601-604, 17764

guide, 4885

Federal test method standards, 9499, 15252, 16605

international commercial standards activities, U.S. participation, hearings, 753

military standards, 4678, 6151, 7861-62, 9372-78, 10899, 15189-198, 12443-444, 16465-471, 17700

NASA specification and standards, 15520

national standard reference data system, extend service—

hearings, 12405

reports, 10601, 14956

product standard PS (series), 5285-87, 6918-19, 11586-587, 12988, 17037

publications, price list, 2804

standard for accurate phase-angle measurements at audio frequencies, 6924

standard reference materials—

catalog and price list, 17033

general information, 11585

NBS white cast iron and stainless steel powder compact, 2737

new materials, publications, etc., 11588

news for users of, 12987

standards laboratories, conference, 1966

proceedings, 12983

training of specialists in standardization must be improved, USSR study, 11261

USSR, recent developments in standardization, 8240

see also Labor standards—*also* subjects.

Standards of Official Conduct Committee, House:

establish, report, 9109

operating funds, authorize, report, 16253

Standards of performance for film badge services, 10047

INDEX 1967

- Stanford Linear Accelerator Center, remarks, 15975
- Stannous chloride, vapor pressure, $\text{SnCl}_2\text{-ZnCl}_2$ binary system, 16864
- Stannous fluoride:
mouthwash, use in school preventive dentistry program, feasibility study, 17352
use as prophylactic paste, as topical solution, and in dentifrice, clinical evaluation, 14319
- Stansell, Marion J.:
measurement of trace levels of deuterium oxide in biologic fluids using infrared spectrophotometry, 11964
process for continuous flow, in-line fractionation and exchange of volatile solvents in automated chemistry, 75
quantitation of trace levels of deuterium oxide in water using infrared spectrophotometry, 10236
- Stanton, Beryl, news for farmer cooperatives, 3631
- Star, Shirley A., number and kinds of children's residential institutions in United States, 13415
- STAR, see Scientific and technical aerospace reports.
- Starbird, I. R., costs of producing upland cotton in United States, supplement, 16485
- Starch:
and related products in selected countries, 15986
classification definitions, 18123
use in textile industry, economic evaluation, 7881
- Starfishes, ornamental use, 6346
- Starr, Fred E., relief, 333
- Starr County, Tex., administration of justice, civil rights aspects, 13433
- Stars:
analytical approach to determination of stellar fields of view, 11557
5,000- and 10,000-year star catalogs, 8683
micrometer measures of 256 double stars, 11628
micrometer measures of 1164 double stars, 15623
point-source light sensor circuit is insensitive to background light, 2637
star/horizon simulator used to test space guidance system, 11447
stellar evolution, calibration of Hertzsprung-Russell diagram in terms of age and mass for B and A stars, 2702
stellar spectra, theory, 12975
variable, in Small Magellanic Cloud, 2859
- STARS (satellite telemetry automatic reduction systems), see Electronic data processing systems.
- Starting and managing series, 5497, 8679, 15733
- Starvation:
acute, body composition changes, metabolic aspects, 7412
acute, in normal humans, metabolic aspects—
ten days, 122
performance and cardiovascular evaluation performance, 121
- State aid, see Grants-in-aid.
- State and local government employment and payrolls, 3894
- State banks:
member banks of Federal reserve system, list, supplements, 3895
membership in Federal reserve system, weekly changes, 3090
- State boards and departments of education, see Educational boards and departments.
- State courts, habeas corpus, applications for writs by persons in custody pursuant to judgments, law, 425
- State Department:
appropriations, 1967, law, 501
appropriations, 1968
amendment, 13724
- State Department—Continued
appropriations, 1968—continued
bearings, 10632, 16390
reports, 10616, 16372
background notes, 1613-24, 5520-23, 7139-42, 8707-10, 10090-95, 11814-821, 13130-136, 14664-669, 15753-762, 17212-216, 18221-225
biographic register, 14670
bulletin, 3198
career opportunities—
communications and records, worldwide assignments, 5524
secretaries, stenographers, typists, 11831
contracts for diamonds for stockpile, balance-of-payments aspects, GAO report, 15293
cultural presentations, USA, report, 17226
department and foreign service series, 2879, 8711-12, 10096-98, 14670-671, 17217, 18226
film library, film list, 8717
food donation programs administered by nonprofit organizations, extent of audits, GAO report, 8149
Foreign Service travel regulations, revision needed to reduce per diem costs, GAO report, 15298
general information, 17217
indexes, living costs abroad, 5084
international information and cultural series, 7150, 14678, 17226
news letter, 3199
organizational ineffectiveness within department, causes, 5525
press releases, 3763
publications—
annotated bibliography, 7146
list, 3868
records, microcopy, pamphlet to accompany—
internal affairs of
Bolivia, 18063
Central America, 18067
Honduras, 18064
Nicaragua, 18062
political relations of U.S. and—
Belgium, 18068
Costa Rica, 18066
Honduras, 18065
relating to Belgium and other states, 18069
reorganization, hearings, 956, 2121, 4642, 6112
index, 16416
science, foreign affairs, and State Department (address), 14671
secretaries, overseas opportunities, 8722
security, investigation, hearings, 2131
seminar, civil rights and race relations, 2879
tape-recorded briefings, discussion guides, 18227
telephone directory, 15764
United States agencies in Vietnam, audit and inspection programs, 1966, GAO review, 9553
Vietnam commercial import program, AID's management and operation, GAO review, 15302
- State Departments of Education, Advisory Council, see Advisory Council on State Departments of Education.
- State forestry, see Forests and forestry.
- State Health Agencies, Advisory Committee on HEW Relationships with, see Advisory Committee on HEW Relationships with State Health Agencies.
- State of the Union, see United States.
- State postal map series, 5391-5402, 11698, 15649-15662
- State Technical Services, National Conference, see National Conference on State Technical Services.

State Technical Services Office :

annual report, 7572
 newsletter, 3896
 program (remarks), 4150
 Statements, see Addresses, lectures, etc.
 States :
 aerial dispersal of pink bollworm, 5678
 agencies for surplus property, directory, 8188
 agriculture departments, 1967, directory, 7836
 air pollution control programs, 2838
 air pollution laws, digest, 1568
 approval of teacher education proposed standards, 6195
 arts activities, summary, 6930
 billboard removal compensation under highway beautification act of 1965, opinion of Attorney General, 8279
 brucellosis eradication activities, 3919
 census of population, 1960, migration between State economic areas, 13402
 chickens and eggs, monthly egg production, 5684
 child labor law, summary, 5047
 citrus fruits, production, use, value, by States, 1909-10, 1964-65, revised estimates, 5679
 civil defense directors, list, 1904, 14844
 civil defense, labor's role, training course, Instructor's guide, 198
 climates, 4746, 9425-26, 16330-531
 compensatory provisions for occupational diseases, 8337
 congressional districts, redistricted for 90th Congress, 183, 1886-88
 congressional redistricting standards, establish, reports, 9121, 9126, 10793, 13657, 17573
 construction expenditures, 5891-93, 10384, 16033
 cooperative State-Federal salmonella reports, review of salmonellosis in cattle, 9
 county business patterns, 1965, employment and payroll statistics by county and by industry, 7475
 debt pooling, laws prohibiting or regulating, 5048
 discrimination in employment, laws prohibiting—
 because of age, summary, 5050
 fair employment practice acts, 5049
 divisions of vocational rehabilitation and agencies for the blind, directory, 7220
 education departments' guidance, counseling and testing publications, guide, 6185
 education, unfinished work (address), 2192
 educational records and reports series, handbook, 10942, 16509
 elective offices, 13361
 employee-retirement systems of State and local governments, 1965-66 finances, 7492
 employment and earnings statistics, 14283
 equal pay laws, 2975
 farm labor situation, 7882
 Federal grants—
 construction of roads, laws, compilation, 1988
 gold mining subsidies, hearings, 12302
 guidelines for plan programs for education of handicapped children, 10933
 health planning and services—
 hearings, 12305, 17670
 law, 461
 reports, 16230, 16247
 highway construction act of 1966—
 hearings, errata, 4656
 reports, 638, 646
 highway safety act of 1966, report, 646
 medical assistance under title 19 of social security act, limitations, report, 697
 provide periodic congressional review, etc., hearings, 735

States—Continued

Federal grants—Continued
 radiation workers recordkeeping, hearings, 1974
 vocational rehabilitation services to the handicapped, etc.—
 hearings, 15172, 17600
 law, 16144
 reports, 14972, 16366
 6 steps forward, 17186
 Federal-State highway management practices and procedures, hearings, 2055
 flags, reproductions, 519
 forest fire control—
 cooperative program financing, 9527, 15276
 laws, analysis, 9526
 forestry schools, list, 4822
 fresh fruit and vegetable shipments, 10873-874
 governments—
 education directory, 15211
 employment of scientific, professional, and technical personnel, 15450
 finances, 1966 summary, 10380
 handicapped persons, employment assistance for, directory, 15664
 health authorities, 1967, directory, 15680
 health insurance enrollment under social security, 10083
 highway beautification projects, public participation, 5477
 highway safety programs, national uniform standards, 13555
 honey and beeswax, production, etc., 4150
 Indian-State relations in their historical perspective (address), 15322
 interlocal governmental cooperation, study of 5 States, 13942
 interstate taxation act, reports, 9084, 13682
 ionizing radiation legislation and regulations, 7093
 labor laws for women, summary, annual digest, 14281
 labor legislation enacted in 1966, 5052
 land-grant colleges and universities, Extension Service review (periodical), 3255
 law enforcement, Federal assistance, amend act—
 law, 502
 reports, 635, 929
 laws—
 compulsory school attendance, summaries, etc., 2191
 prohibiting or regulating debt pooling, summary, 16811
 sex discrimination in employment, 17295
 veterans' rights, benefits, etc., digests, 16345
 legislation, 1966, of special interest to women, highlights, 11910-911
 legislation of special interest to women, 1966 highlights, 10141
 legislative program of Advisory Commission on Intergovernmental Relations, 15822
 legislatures, equal pay activity, 2974
 life tables, 1959-61—
 Alabama-Missouri, 5444
 Montana-Wyoming, 5445
 local government, interlocal agreements and contracts handbook, information report, 8801
 manpower and training needs in water pollution control, report, print as Senate document, report, 16362
 maximum daily hours for women, 2976
 maximum weekly hours for women, 8795
 maximums and other methods of limiting money payments to recipients of special types of public assistance, 18205
 mental health authorities, conference with Surgeon General, Public Health Service, proceedings, 5457
 mental health planning, 1966 final reports, 17141

INDEX 1967

States—Continued

mental hospitals, patient movement, etc., 15697
 merit systems, extend to additional programs financed by Federal funds, hearings, 12409
 milk cows on farms, production per cow, etc., 5683
 minimum wage laws and orders, fringe benefit provisions, 5598
 names, abbreviations for use with Zip code, 7043
 national and international labor unions, directory, changes, 2498
 National Driver Register, records exchange service, 18087
 noxious weed seed requirements recognized in administration of Federal seed act, 2138-39
 outpatient psychiatric clinics, annual statistical report, 14633
 partnership for health, information and policies on grants to States—
 comprehensive health planning, 15702
 public health services, 13086
 plant regulatory officials, 5618
 population—
 estimates, 178, 4352
 households estimates, 7486
 illustrative projections, 5883
 revised projections, 16014
 postal maps, 5391-5402, 11698, 15649-662
 pricing methods used in purchase of prescribed drugs under federally aided public assistance programs, Welfare Administration, GAO review, 9556
 prisoners, 1964, admissions and releases, 17129
 professional workers in agricultural experiment stations and other cooperating institutions, 5622
 psychiatric clinics, 1964, outpatient service—
 data on patients, annual statistical report, 1586
 older adult patients, 5453
 public assistance, costs—
 per casemonth, 1966, for administration, services, and training,
 State and local administration, services, and training, 15233, 16541
 public facility needs and financing, study, 1977
 print additional copies, reports, 6082, 10586
 public school finance program, 1966-67, compilation, 17724
 publications, monthly checklist, 3569
 reinforcing role in education, 13961
 report on 1965-66 compensatory education programs under title I, Public law 10, 7890
 salary ranges of positions in employment security, etc., 4898, 11194
 school systems—
 standard terminology for instruction, 10942
 statistics, 7914
 Senators, 90th Congress, list, 9179
 soil conservation districts, status of organization, etc., 17207
 soil surveys for community planning and resource development, report, 2083
 southeastern, State and private forestry, more timber, more jobs, 17798
 State and local government retirement systems covering employees also covered by Federal old-age, survivors, disability, and health insurance program, survey, 2868
 State and local programs, planning, criteria for evaluation, study, 16411
 State and regional defense airlift planning, change, 9447
 State government and education challenge (address), 1015

States—Continued

State-local taxation and industrial location, interrelationship, 15823
 State safety code activity, 1965-66, highlights, 6600
 State safety code comparison studies, 5053
 tax collections, report, 180
 tax revenue, quarterly summary, 5894, 7495, 10385, 16034
 taxation of farmland on rural-urban fringe, summary of preferential assessment activity, 16486
 technical services act of 1965, amend to include Guam—
 law, 475
 report, 891
 technical services activities (remarks), 4450
 technical services, designated agencies, list, 10469
 technical services, discipline-oriented or problem-oriented? (address), 4452
 technical services national conference, report, 12131
 unemployment insurance laws—
 comparison, revised series, 6199, 17727
 evaluation of coverage and benefit provisions, summary tables, 12471
 significant provisions, 13973
 utility commissions, summary and tabulation of information, 17655
 vocational rehabilitation agencies—
 caseload statistics, 5588
 heart disease, cancer, stroke, characteristics of clients rehabilitated, 7221
 vocational-technical program development, reports, 6196
 women's eligibility for jury service, laws, 5603
 workmen's compensation laws—
 comparison of major provisions with recommended standards, 5046
 summary, 9696
see also Intergovernmental relations.
 Statewide long-range planning for libraries, report of conference, 1016
 Stati Uniti d'America, Informazioni doganali ad USO dei Nonresidenti, 13907
 Static electricity, *see* Electrostatics.
 Static inverters, *see* Inverters.
 Static parasitic speed controller for Brayton-cycle turboalternator, 17004
 Static stability investigation of sounding-rocket vehicle at Mach numbers from 1.50 to 4.63, 12934
 Station wagons, standard models and special equipment requirements, military standard, 15189
 Stationary device produces homogeneous mixture of fluids, 5221
 Stationery, House Members, additional allowance, report, 7676
 Statistical abstract of United States :
 departmental edition, 14834
 document edition, 14923
 supplement, county and city data book, 1967—
 departmental edition, 12041
 document edition, 12201
 Statistical briefs from around world (periodical), 3898
 Statistical decision :
 decision model algorithm of Leont'yev type, 17879
 regulation of problems in statistical dynamics of automatic control systems, USSR study, 11244
 Statistical design, *see* Statistics.
 Statistical inference, theory and methods, 8507
 Statistical processes :
 control of nonlinear multivariable systems, 6725
 Gaussian quadrature, abscissas and weights for, 5284

Statistical processes—Continued
 multivariate equations developed for predicting volumes in Hawaii hardwoods, 8084
 Statistical publications, *see* names of departments, etc., issuing publications.
 Statistical Reporting Service:
 appropriations, 1968, hearings, 10629, 12397
 periodic reports, list, 10195
 reports, checklist, 3091
 SRS series, 5559
 Statisticians:
 agricultural, examination announcement, discontinuance notice, 17459
 examination announcement, amendment, 17453
 Statistics:
 college course, basic statistics, study guide, 9362
 combination statistical design for sensitivity testing, Mines Bureau circular, 9754
 credibility, importance (remarks), 5038
 Federal, local areas, directory, guide to sources, 1879
 Federal statistical directory, 13353
 Government programs, coordination and integration—
 hearings, 14917
 report, 14918
 metropolitan area statistics, 16032
 public health conference, proceedings, 11th national meeting, 18185
 statistical reporter (periodical), 3900
 statistical series releases, SEC, 3901
 statistical studies in field geochemistry (series), 9573
see also Regression (statistics)—Sampling (statistics)—Vital statistics—*also* subjects.
 Statists:
 downstream, contribution to interaction noise of single-stage axial-flow compressor, 9882
 overall stator performance and turbine design, cold air investigation of turbine for high-temperature engine application, 5236
 Statuary, *see* Sculpture and statuary.
 Status of forces agreements, *see* Criminal jurisdiction.
 Status of Women, Governors Commission on, *see* Governors Commission on Status of Women.
 Status of world's nations, 17222
 Statutes, *see* Law.
 Statutes at large:
 89th Cong. 2d sess.—
 private laws, concurrent resolutions and proclamations, 16587
 public laws and reorganization plans, 14036
 tables of laws affected, 2257
 Statutes of limitations, *see* Limitations (law).
 Steady-state performance of 7-tube NaK-cooled potassium condenser, 12937
 Steam:
 high velocity, within tube, local heat transfer coefficients and static pressures for condensation, 9911
 low pressure steam-water flow in heated vertical channel, final report, 7430
 superheated, zirconium alloys with improved corrosion resistance, 9796
 Steam-electric plants, *see* Electric power plants.
 Steam power plant, equipment, Federal item identification guides for supply cataloging, supplements, 3288
 Steamship conferences, *see* Shipping conferences.
 Steamships, lines in foreign commerce of U.S., approved conference, rate and inter-conference agreements, 3037, 16576
 Sterile acid, carbon 14 labeled, adsorption on iron, study, 14595

Stearns, R. T., preshot geophysical measurements, 15962
 Stearns, Russell S., permafrost, perennially frozen ground, 1756
 Stebbins, Frederick J., stiffness matrix solution for shells of revolution possessing variable thickness heat protection, 11514
 Steel:
 A302-B, simulated pressure vessel wall, neutron exposure, through-thickness notch ductility and tension properties, 17093
 and tantalum apparatus, use for molten Cd-Mg-Zn alloys, 8397
 chemical composition and hardenability, Federal standard, 11063
 corrosion resistant, controlled ferrite content improves weldability, 8475
 forgings, current industrial reports, 3169
 foundries, current industrial reports, 4329
 heat treatment and properties, 2739
 high strength braze joints between copper and steel, 14420
 higher strength, neutron irradiation embrittlement, 5356
 identification symbols, Communist China, 6547
 industry, 1947-65, indexes of output per man-hour, 5055
 industry, water requirements, 12617
 ingot producers, current industrial reports, 4329
 iron and steel scrap, Southeast, sources, consumption, etc., 12797
 minerals yearbook chapter, 2544
 oxygen steelmaking, effect of lime structure, 6682
 plain carbon, effects of rare-earth additions, 6686
 products, identification markings, Federal standard, 2269
 products, packaging, marking, and loading methods, recommendations of trade, amdt., 6920
 reactor pressure vessel, neutron embrittlement, 5355
 SAE 52100 steel hollow balls, rolling-element fatigue life, 6879
 scrap, intermountain and northwestern Plains States, processing and marketing, 16855
 steel test panel helps control additives in pyrophosphate copper plating, 17969
 structural, radiation sensitivity, metallurgical variables as possible factors controlling, initial evaluations, 5357
 T-I and T-1A steel welds, effects of heat input rates on, 12894
 trade and tariff information, summaries, 18237
 ultrahigh-strength, study to minimize hydrogen embrittlement, 11470
 welded steel penstocks, design, construction, etc., 17178
 welding of AM 350 and AM 355 steels, 15552
see also Stainless steel—*also* names of manufactured articles.
 Steel castings, *see* Castings.
 Steel mills:
 inventories of shapes, current industrial reports, 3169, 12073, 14829
 products, current industrial reports, 12081
 Steele, Chester L., nomination, hearings, 6094
 Steele, Gordon N., research on condensation mechanisms, 1140
 Steele, Wendell E., neutron irradiation embrittlement of higher strength steels, 5356
 Steelmark Month, designate May of each year, law, 417
 Steelworks industry manpower survey, 17729
 Steeple Rock mining district, N. Mex., geology and ore deposits, 6390
 Stein, Edward S., calibration of 2 bicycle ergometers used by health examination survey, 7096

INDEX 1967

- Stein, Lawrence H., STOP, computer program for supersonic transport trajectory optimization, 11415
- Stein, Manuel, incremental procedure for solution of nonlinear problems with applications to plates and shells, 2727
- Stein, Raisla, and children, relief, 7655
- Steinbeck, Klaus, short-term storage of yellow-poplar softwood cuttings, 11131
- Steinhilber, August W., State law on compulsory attendance, 2191
- Steinke, Ronald J.:
- aspect ratio and curvature variations for axial-flow-compressor-inlet stages under high loading, 9916
 - variable-geometry guide vanes to control rotor-inlet flow conditions, 5275
- Stellar evolution, *see* Stars.
- Stellators, Livermore 1-2 stellerator, 13329
- Stelluto, George L., industry wage survey, hospitals, 15448
- Stenographers:
- career opportunities await you, Army Department, 8896
 - examination announcement—amendment, 14855
 - supplement, 7549
 - opportunities in State Department, 11831
 - opportunities with FDA, 8046
- Stenomidae, systematic position of 2 taxa erroneously placed in family Stenomidae (lepidoptera), 5304
- see also* Microlepidoptera.
- Stephens, David G.:
- effect of model scale on structural-joint damping, 18025
 - flexible and rigid ring baffles for damping liquid oscillations in large-scale cylindrical tanks, 8493
- Stephens, Joseph R., dislocation structures in slightly strained tungsten, etc., 14486
- Stephenson, Richard W., land ownership maps, checklist of 19th century U.S. county maps in L.C., 16837
- Stephenson, Robert L.:
- river basin surveys papers, inter-agency archeological salvage program—departmental edition, 11973
 - document edition, 12193
- Stephenson, William:
- Australasian and American Hemisquilla ensigera, 6955
 - portunid crabs from international Indian Ocean expedition in Smithsonian collections, 12998
 - portunid crabs from Pacific and Indian Oceans in collections of Smithsonian Institution, 8540
- Steppe, snow cover and calculation of snow floods, USSR study, 1203
- Stepping up with PACE, 7915
- Stereuliaceae, *see* Melochia.
- Stereochemistry of organic compounds of phosphorus and arsenic, USSR, 1209
- Stereographic representation of Knoop hardness anisotropy, 18051
- Stereoscopic angle and its relationship to standard Air Force tests for depth perception, 70
- Sterility:
- chemosterilants to control bark beetles, 14108
 - Health, Education, and Welfare Department activities, report on family planning, 1136
- Sterilization:
- central sterile supply section of packaged disaster hospital, organization, 1577
 - classification definitions, 18119
 - spacecraft technology, conference papers, 5190
- Stern, Kurt H., Liesegang rings, 15590
- Stern, Robert L., technology and world trade, proceedings of symposium, 8520
- Sternberg, Heinz W., electrochemical reduction of coal, 16862
- Sternier, Mauritz A., relief, 16164
- Sternes, Gilbert L., climates of States, Oregon, 16531
- Sternlight, Peter D., remarks, Nov. 18, 1966, 2951
- Steroids, excretion during exposure to oxygen-helium atmosphere, 7366
- Sterrett, James R.:
- secondary jets from 2-dimensional nozzles with various exit Mach numbers for hypersonic control application, 5266
 - transition fixing for hypersonic flow, 18011
- Stethoscopes, electronic, for aircraft use, experimental, 11966
- Stevens, C. A., feasibility study of accelerator-booster, fast, pulsed research reactor, 13322
- Stevens, Mary R., automatic typographic-quality typesetting techniques, state-of-the-art review, 9942
- Stevens, Paul M.:
- effects of lower body negative pressure on physiologic changes due to bed rest, 7346
 - effects of 9-alpha-fluorohydrocortisone and venous occlusive cuffs on orthostatic deconditioning of prolonged bed rest, 7365
 - influence of long-term lower body negative pressure on circulatory function of man during prolonged bed rest, 1734
- Stevens, Richard F., jr., tungsten, 1416
- Stevens, Robert E., ponderosa pine tip moth, 4820
- Stevenson, Henry E., naval training bulletin, 3611
- Stewards:
- 1 and C, Navy training course, supp., 9979
 - 3 and 2, Navy training course, supp., 9979
- Stewart, John H., erosion and deposition produced by flood of Dec. 1964 on Coffee Creek, Trinity County, Calif., 17823
- Stewart, Joseph K.:
- effect of load pattern on transit temperatures and crushing of lettuce in transcontinental shipments, 11916
 - market quality of film-wrapped and naked-packed lettuce, 10152
 - nitrogen, its effect on transit temperatures and market quality of western lettuce shipped in piggyback trailers, 5644
- Stewart, M. A., cleaning and liquid contact with solids, classification definitions, 18124
- Stewart, Maxine G., occupational outlook quarterly, 3649
- Stewart, R. Keith, water pollution control, waste treatment and water treatment, selected biological references on fresh and marine waters, 8011
- Stewart, Ward, university-sponsored executive development programs in public service, 2193
- Stewart, William H.:
- addresses, etc.—
 - Nov. 27, 28 and Dec. 6, 1966, 7080
 - Mar. 21, 1967, 10045
- Stewart Flat quadrangle, Idaho, geology, 11162
- Stewarts disease, *see* Wilt disease.
- Steyskal, George C., flies captured in treetops in Malaya, 5313
- Stichman, Eugene P., transcriber confidence in relation to accuracy of transcription, 5751
- Stiefel, E., regularization for computing orbits in celestial mechanics, 12857
- Stiffeners (aircraft):
- edge-stiffened rectangular plate subjected to boundary loads, etc., plane-stress analysis, 16895
- Stiffner, J. J., telecommunications, 6731

- Stiffness, matrix solution for shells of revolution possessing variable thickness heat protection, 11514
- Still-birth:**
fetal death registration—
funeral directors' handbook, 17142
hospital handbook, 11737
medical examiners' and coroners' handbook, 15695
physicians' handbook, 13088
- Stilling basins:**
Howard Hanson Dam, Green River, Wash., hydraulic model investigation, 2201
lower Monumental Dam, Soake River, Wash., hydraulic model investigation, 10949
- Stimulants:**
bibliography, fact sheet, 14073
fact sheet, 12558
- Stimulus, unilateral caloric stimulation of labyrinth, auto- and cross-correlation of following, 71**
- Stings (aircraft):**
support interference on aerodynamic characteristics of cargo-type models, 12938
- Stipends:**
mental health trainee stipends, institutions offering, 11760
psychiatric-mental health trainee stipends for nurses, availability, etc., 10058
- Stipp, Henry E.:**
mineral industry of—
Angola, Mozambique, and Portuguese Guinea, 9758
Basutoland, Bechuanaland and Swaziland, 11357
Congo (Leopoldville), 12800
Gabon, 8348
Guinea, 8354
Ivory Coast, 8254
Sierra Leone, 2564
Sudan, 8365
Tunisia, 6668
- Stivers, Louis S. Jr., optimum body shapes at hypersonic speeds, 18024**
- Stock catalogs, see Catalogs—Government supplies.**
- Stock exchanges, transactions, statistical series releases, SEC, 3901**
- Stock ranges, see Range lands.**
- Stocker, Joseph, se habla espanol, help for Spanish speaking youngsters, 13964**
- Stockholders:**
bank stock ownership and control, staff report, 4528
print additional copies, report, 13654
personal liability on land bank loans, report, 15130
- Stockholm, Sweden, U.S. trade center, 12654**
- Stockpiling, see Strategic materials.**
- Stocks:**
bonus plans, income tax, laws and regulations, 9596
registered on national securities exchange list, 11051
United States Army in Europe, availability for requirements of other commands Army Dept., GAO review, 8140
see also Securities.
- Stockyards:**
packers and stockyards act—
amend, hearings, 15691
applicable to auction markets, 15870
recordkeeping for livestock dealers, 44
what it is, how it operates, 15866
packers and stockyards resume, 3672
13042
- Stoekeler, Joseph H.:**
seedbed density affects size of 3-0 green ash nursery stock, 14095
wetland road crossings, drainage problems and timber damage, 14097
- STOL (short takeoff and landing), see Aircraft—Airplanes.**
- Stomatology, Rumanian national congress, proceedings, 12732**
- Stomatopoda, see Crustaceans.**
- Stone, Alan, new species of diptera from Dominica, 6962**
- Stone, Hubert L., cardiac output, etc., of miniature swine, 4186**
- Stone, James R., pressure drop and heat transfer for water boiling in single-tube heat exchanger, 14463**
- Stone, minerals yearbook chapter, 5134**
- Stonemason, see Masons.**
- Stoner, John E., interlocal governmental cooperation, study of 5 States, 13942**
- Stoop, J., effect of nitrogen on tensile and creep-rupture properties of niobium, 10000**
- STOP, computer program for supersonic transport trajectory optimization, 11415**
- STOPS (shipboard toxicological operational protective system):**
BW decontamination with hypochlorite, application, exploratory studies, 10012
- Storage:**
Army technical manual, change, 7402
industrial plant equipment, quality assurance program, 13912
open areas—
flexible pavement design, emergency construction, Army technical manual, 10277
military installations, emergency construction, general provisions and geometric design, technical manual, 5742
pumped, for hydroelectric power, bibliography, 14707
radioactive wastes, solidification and long-term storage, symposium, proceedings, 5767
storing vegetables and fruits in basements, cellars, outbuildings, and pits, 5631
technical manual, 115, 14803
see also names or classes of articles stored.
- Storage batteries:**
hermetically sealed nickel-cadmium cells protected from internal gas pressure, 6846
lead-acid cell—
operation, refractometric sensing of H_2SO_4 specific gravity, 18112
plate materials, anodic oxidation of $PbSO_4$, etc., 11672
tubular type battery plates micrography, 8591
- Storage in major power reservoirs in Columbia River basin, 3907**
- Stores:**
department stores—
credit, monthly report, 3200
inventory price indexes, 6614, 16823
leased departments, census of business, 1963, retail trade, 5816
sales—
by departments, monthly report, 3572
selected areas, monthly report, 3573
selected cities and areas, monthly report, 3574
selected cities and areas, weekly percentage changes, 4037
food, voluntary and cooperative food chains, bibliography, 10077
Government bookstores, locations in Washington, D.C., area, 5412
grocery department operations, commissary stores, technical manual, change, 7396
location, bibliography, 1600
retail—
advertising, bibliography, 5494
food, packaging and price marking meat and poultry, systems and equipment, 7276
food stores, bibliography, 7112
grocery store companies, mergers and acquisitions, 2172
hardware, bibliography, 7113
sales, current reports, 3172
annual statistics, 17439

Stores—Continued

- small—
 - planning for growth, 2857
 - recordkeeping systems, bibliography, 2856
- Storey, C. L., comparative study of methods of distributing methyl bromide in flat storages of wheat, gravity-penetration, single-pass, and closed-recirculation, 15861
- Storms:
 - coastal warning facilities charts—
 - Canadian border to Eureka, Calif. and Alaska, 14717
 - Cape Hatteras, N.C. to Brunswick, Ga., 14718
 - eastern Florida, 8790
 - Eastport, Maine to Montauk Point, N.Y., 14719
 - Eureka to Point Conception, Calif., 11901
 - Hawaiian Islands, 11902
 - Manasquan, N.J. to Cape Hatteras, N.C. and Chesapeake Bay, 14720
 - Montauk Point, N.Y. to Manasquan, N.J., 14721
 - Morgan City, La. to Brownsville, Tex., 11903
 - Point Conception, Calif. to Mexican border, 11904
 - Puerto Rico and Virgin Islands, 11905
 - Colorado, hydrologic performance of flood-water retarding structures, 14651
 - data, monthly, 3908
 - severe-storm forecasting procedures of Military Weather Warning Center, analysis, notes, 17339
 - small craft, gale and whole gale warning facilities chart, Great Lakes—
 - Huron, Erie, and Ontario, 14723
 - Superior and Michigan, 14724
 - tropical, Gulf Coast, frequency distribution of rainfall (paper), 5593
 - winter storms, general information, 17739
 - see also Hurricanes—Magnetic storms—Snowstorms—Thunderstorms.
- Story of cotton, 15858
- Stotelmeyer, R. B., mineral industry of South Dakota, 5120
- Strough, Ada E., rural county cares for its aging, 4082
- Stowage, metal tube can be folded for compact stowage, is self-erecting, 1452
- Stowe, Agnes C., relief, 7659, 10478, 10707
- Strachan, John R., appointment as Postmaster of New York, swearing-in ceremony (remarks), 14610
- Strain gages:
 - circuity provides fatigue testing machine with accurate cycle count, 11391
 - pressure transducers, life cycling test, 18083
 - spiral spring/strain gage combination accurately measures shock induced deflection, 1468
- Strains and stresses:
 - aluminum alloys, treatment increases stress-corrosion resistance, 6760
 - bending of circular plates confining incompressible fluid, 97
 - biaxially stressed D-43 alloy with refluxing, potassium, compatibility, 11422
 - biaxial stresses in cylinders produced by single-source mechanical loading system, 17990
 - buckling—
 - load of truncated conical shells, influence of prebuckling deformation, 5187
 - pressurized toroidal ring under uniform, external loading, 15570
 - prestressed shells of revolution, 6878
 - sandwich and ring-stiffened 120° conical shells subjected to external pressure, effect of edge constraint, 11417
 - burst-prone coal pillars, stress distributions, 12824

Strains and stresses—Continued

- cellular structures as load-bearing structural elements, Hungarian study, 4956
- composite structures, analyses, 2602
- controlled release device prevents damage from dynamic stresses, 6790
- copper alloys, failure under microimpact action, rules governing, 12714
- crackline-loaded edge-crack specimens, stress intensity factors, 6869
- cumulative fatigue, application of double linear damage rule, 9875
- cylinders, thin walled, radial displacements, 17947
- deep mine stress determinations using flat-jack and borehole deformation methods, 6676
- destructive sectioning of complex structures for examination, 6833
- discrete-element methods for plastic analysis of structures, 17933
- dislocation structures in slightly strained tungsten and alloys, 14486
- duality between problems of stretching and bending of plates, 5186
- edge loadings on vibration of rectangular plates with various boundary conditions, errata, 12919
- effect of explosions on snow structures, 99
- elastic structures, analog circuits, 5169
- ellipsoid stress determination in rock-burst prone area at 4,000 foot depth, Galena mine, Wallace, Idaho, 14351
- embedment stresses in electronic modules, use of transducer to measure, 17978
- empirical equation relating fatigue limit and mean stress, 9878
- epoxy resins, microparticle and fiber reinforcement, 5352
- fatigue—
 - aircraft structures, 17062
 - behavior of simulated wing structure under environment of supersonic transport, 16905
 - crack growth in Ti-8Al-1Mo-1V (duplex-annealed) specimens having various widths, investigation, 8494
 - cryogenic, data developed for Inconel 718, 8472
 - equipment and techniques for complex loading, 5748
 - gears with integral teeth, high energy rate system evaluation, 8898
 - initial load and exposure to moderately elevated temperature effect on room-temperature fatigue life of Ti-8Al-1Mo-1V titanium-alloy sheet, 14464
 - life, and bearing torque studies with several lubricants, 11509
 - life under random loading for power spectral shapes, 17013
 - low cycle, of notched specimens by consideration of crack initiation and propagation, 12921
 - rolling element fatigue life of SAE 52100 steel hollow balls, 6879
 - stainless steel, type 316, and Inconel X, high temperature vacuum fatigue testing with resonance-type machine, 11676
 - zones in metals identified by polarized light photography, 9846
- isotopic X-ray sources for portable stress analysis equipment, feasibility, 14809
- jacketed cryogenic piping is stress relieved, 15553
- laboratory stress-deformation characteristics of soils under static loading, 2596
- metallic materials and elements for aerospace vehicle structures, military handbook, 7860, 9370
- photosensitive filler minimize internal stresses in epoxy resins, 14429
- plane elasticity, integral equation method, 9819

Strains and stresses—Continued

- plane-stress—
 - analysis of edge-stiffened rectangular plate subjected to loads, etc., 16895
 - elastic-plastic states in vicinity of crack tips, 9816
- plastic buckling of axially compressed eccentrically stiffened cylinders, 5249
- plastic constraint ahead of sharp crack under plane-strain conditions, 7108
- post-stressed concrete foundation may reduce machinery vibration, 15489
- residual strains and displacements within plastic zone ahead of a crack, 5489
- results from full-scale measurements of midship bending stresses on 2 dry-cargo ships, 10076
- rock outcrops near Atlanta, Ga., 1409
- rock stress determinations, anisotropic considerations, 12818
- rotor air loads, blade motion and stress caused by transient inputs of shaft torque as related to stoppable rotor operation, 13308
- strain gage circuitry provides fatigue testing machine with accurate cycle count, 11391
- stress and wave patterns in soils subjected to dynamic loads, 10255
- stress calculator speedily converts data, 12908
- stress-corrosion cracking of Ti-6Al-4V alloy in methanol, 6900
- stress corrosion cracks in titanium alloys revealed by chemical milling solution, 16957
- stress distribution near explosively expanded rock bolt anchors, 5126
- stress distributions in vicinity of simulated crack, photoelasto-plastic method to study, 8406
- stress in rock, 3-component borehole deformation gage for determining, 15481
- stress rupture and creep properties of tungsten-fiber-reinforced copper composites, 17002
- stresses and displacements surrounding open pit in gravity-loaded rock, 14356
- stresses at tip of longitudinal crack in plate strip, 14498
- structural efficiency of ring-stiffened corrugated cylinders in axial compression, 14470
- structural optimization with probability of failure constraint, 5252
- structural vibrations, interaction with sound fields, 9835
- structures and power sources, surface-to-air missile series, engineering design handbook, 15928
- tensile and creep-rupture properties of niobium, nitrogen effect, 10000
- tensile strength—
 - discontinuous-fiber composites, metallurgical and geometrical factors affecting, 8498, 14451
 - effect on current-carrying capacity of commercial superconductors, 2719
 - horizontal machine for testing structural wood elements in tension, 8062
 - microvoids in glass-filament-wound structures, measurement, minimization, and correlation with interlaminar shear strength, 11677
 - tensile yield strength using least number of specimens, simplified method measures changes, 16879
 - thermal bending plus twist of thin-walled cylinder of open section with application to gravity gradient booms, 15561
- titanium alloys, salt water stress-corrosion, cracking characteristics, 17091
- titanium, decreasing to minimize stress corrosion, 14746
- titanium tanks, glass bead shot peening retards stress corrosion failure, 14413

Strains and stresses—Continued

- torsion-effusion technique to investigate thermodynamic properties of alloys, 17923
- weak turbulence and heat transfer with uniform normal strain, 5254
- Strand, Edwin G., commercial cotton farms, 986
- STRATCOM, see Army Strategic Communications Command.
- Strategic materials:
 - defense materials systems—
 - and priorities, questions and answers, 7452
 - monograph, Industrial College of Armed Forces, 9608
 - disposal of battery grade synthetic manganese dioxide from national stockpile—
 - law, 439
 - reports, 684, 921
 - disposal of bismuth from national and supplemental stockpiles, report, 14938
 - disposal of fused crude aluminum oxide from national and supplemental stockpiles—
 - law, 437
 - reports, 685, 922
 - disposal of industrial diamond stones from national and supplemental stockpiles—
 - law, 436
 - reports, 683, 920
 - disposal of molybdenum from national stockpile, report, 14936
 - disposal of nickel from national stockpile—
 - hearings, 722, 7738, 10808
 - law, 453
 - reports, 687, 936, 9117
 - disposal of rare-earth materials from national and supplemental stockpiles, report, 14937
 - Federal stockpile inventories, report, 2986
 - mobilization programs of—
 - Business and Defense Services Administration, hearing, 13543
 - General Service Administration, hearing, 12186
 - Interior Department, hearing, 14916
 - stockpile contracts for diamonds, balance-of-payments aspects, GAO report, 15293
 - stockpile program, relationship to domestic mining industry, hearings, 2051
 - stockpile reports, 4725, 9416
 - transfer of silver by Treasury to national stockpile—
 - law, 12171
 - reports, 10602, 10765, 12248
- Strategy, see Military art and science.
- Strategy for livable environment, 12622
- Stratification:
 - density, and water masses, western north Atlantic Ocean, atlas, 11629
 - elimination at Lake Cachuma, Calif., progress report, 11183
- Stratigraphy:
 - bedded harite in East Northumberland Canyon, Nye County, Nev., 16689
 - Cambrian and Ordovician rocks of east-central Alaska, 6404
 - Chariot site vicinity, Lishurne Peninsula, northwestern Alaska, 8162
 - contributions to stratigraphy (series), 1112-13, 2361, 6393-95, 11168, 12602, 14169, 17820
 - Cretaceous and lower Tertiary, in west-central Puerto Rico, 17820
 - Gulf Series, subsurface in northern Florida and southern Georgia, 16692
 - Independence quadrangle, Inyo County, Calif., Paleozoic formations, 2364
 - Keku Islets and neighboring parts of Kulu and Kupreanof Islands, southeastern Alaska, 12600

INDEX 1967

Stratigraphy—Continued

- lower Paleozoic paleontology and stratigraphy of east-central Alaska (series), 6404
- Middle Ordovician brachiopods and trilobites from basin ranges, western U.S., 11174
- stratigraphic analysis of deep ice core from Greenland, 13290
- tertiary biostratigraphy of Cook Inlet region, Alaska (series), 2365
- Upper Silurian and Lower Devonian strata of northeastern Pennsylvania, New Jersey, and southeasternmost New York, 11167
- Stratosphere, upper, temperature, pressure, density, and wind measurements, 17012
- Straw, baled, sampling tool to extract cores, 13201
- Strawberries:
 - California, air transport factors affecting market quality, 1966 spring shipments, 1704
 - culture, south Atlantic, etc., regions, 1685
 - fresh market, acreage, production, etc., 1959-65 revised estimates, 14762
 - insects, control, 10167
 - varieties in U.S., general information, 17309
- Streams, *see* Rivers.
- Streets, District of Columbia, use of air-spaces, in, on, over, and under, hearings, 16407, 17598
 - see also* Roads and highways.
- Strength of a sparrow (address), 16512
- Strength of materials, scientific bases, 1965, USSR research, 2453
 - see also* names of materials and articles.
- Strengthening community services in low-income neighborhoods, 17840
- Streptomyces, *Streptomyces griseus* (Krausky) Waksman and Henrici, taxonomic study of some strains, 54
- Stress (physiology):
 - dynamic stress testing, biomedical monitoring—
 - Flack test, 7360
 - instrumentation and normal values, 7343
 - Levy hypoxia test, 7344
 - maximum exercise tolerances, ergometer, 7361
 - tilt table orthostatic tolerance test, 7362
- Stress (psychological), *see* Tension.
- Stresses (mechanical), *see* Strains and stresses.
- Stretchers, orthopedic, with average-sized person can pass through 18-inch opening, 5222
- Strikes and lockouts:
 - airline dispute, providing for settlement, hearings, 959
 - Federal legislation to end, documentary history, 10861
 - operation bygrade, anatomy of shutdown, 13972
 - railway disputes—
 - extend period for no change under sec. 10 of railway labor act—
 - laws, 9040, 10482
 - reports, 9112, 9279, 10567
 - negotiations to ward off strike, etc.—
 - message from the President, 9074
 - status, hearing, 9328
 - settlement—
 - hearings, 10660, 10868
 - law, 13534
 - reports, 12259, 12267, 12364, 13667
 - summary of situation, etc., message from the President, 10514
- work stoppages—
 - analysis, 5060
 - U.S. missile sites, 5403, 18141
 - final tabulations, 14307
 - Government employees, 14308
 - monthly, 4070

- Stringfield, V. T., artesian water in Tertiary limestone in Southeastern States, 6399
- Strip-mined lands, *see* Reclamation of land.
- Strip mines, *see* Coal lands.
- Striped bass, *see* Bass.
- Strips (metal, etc.):
 - calibrating ultrasonic test equipment for checking thin metal strip stock, 12832
 - strip chart recorder time notation, technique, 12912
- Strishkov, V. V., mineral industry of U.S.S.R., 15470
- Strobridge, Truman R., brief history of 9th Marines, 17904
- Strokes:
 - cerebrovascular disorders, 18176
 - characteristics of clients rehabilitated, 7221
 - epidemiology, study, 11726
 - regional medical programs, guidelines, 13076
- Strom, Thomas N., wear and friction of impregnated mechanical carbons, 9915
- Strommen, Norton D., climates of States, Michigan, 16530
- Strong, D. R., pressure fluctuations on flat plate with oblique jet impingement, 14388
- Strontium fluoride, ionic conductivity, 6866
- Strontium isotopes:
 - Sr-85, distribution in freshwater ponds, 15681
 - Sr-90—
 - determination in water, 6410
 - Quehanna pilot plant first generation process operations, 5777
- Stroud, C. W., heating rates from thick-calorimeter data, 8486
- Stroud, Lowell, isotopic abundance of neon, etc., in natural gases rel. to helium genesis, 9785
- Strond, Raymond B., mineral industry of Arkansas, 6644
- Struble, George R., mountain pine beetle, 17793
- Structural adhesives, *see* Adhesives.
- Structural analysis and matrix interpretive system (SAMIS), 12899
- Structural designs, *see* Architecture—Designs (Industrial)—Materials.
- Structural models, *see* Models (structural).
- Structural optimization with probability of failure constraint, 5252
- Structural steel, *see* Steel.
- Structural unemployment, *see* Unemployed.
- Structures, *see* Buildings—Earthwork and structures—Strains and stresses.
- Strunk, Hazel L. S., relief, 578
- Struts (aircraft):
 - combustion chamber struts can be effectively transpiration cooled, 6805
- Strymonini, *see* Butterflies.
- Stuart, A. H., United States trade in jewel bearings, etc., 12030
- Stuart, Wilbur T., Swatara Creek basin of southeastern Pennsylvania, evaluation of its hydrologic system, 16703
- Stuart, Fla., motor carrier accident, 17917
- Stubbis, Sandy M.:
 - landing characteristics of dynamic model of HL-10 manned lifting entry vehicle 2685
 - water pressures and accelerations encountered during landings of Apollo spacecraft, 16970
- Student or classroom science project series, 4135-37
- Student reference, Department of Labor safety training programs, SR LS series, 6602, 9731-32
- Student Work Experience and Training, program sponsored by Mental Retardation Branch, Public Health Service, 7060
- Students:
 - advance training in Peace Corps, program for college juniors, 5373
 - career opportunities in SCS, 1705

Students—Continued

certification requirements for school pupil personnel workers, 9396
college—
aids, loans, grants, etc., 2177
career opportunities in Public Health Service through Commissioned Officer Student Training and Extern Program, 10043
how Education Office assists, 4712
college, work study program, amend law—law, 17536
reports, 14952, 14959, 15125
correspondence exchange on Viet-Nam, 7143
educational scholarships, loans, and financial aids, 1
employment, full-time, at special minimum wages, 7229, 18251
entering U.S. from developing countries, authorize study of failure to return home, law, 412
faculty listens to students' evaluation of Lake Oswego High School, 17726
financial aid for postsecondary education through establishment of Educational Opportunity Bank, panel report, 15663
foreign, in United States, national survey, 5613
full-time, ages 18-21, amend railroad retirement act to provide survivor benefits, law, 414
graduate students—
academic & financial status, 17715
aids, loans, grants, etc., 2177
in Peace Corps, 5376
grouping as related to learning, survey of research, 4721
high school, national ability counts collection, 1968, announcement, 15667
higher education act of 1965—
administration of programs, 1966, notes and working papers, 12422
student loan program, 6% payment tables and amortization schedule—7910
Lincoln Center's student program opens new world to teenagers, 12465
loans—
health professions, program 5435, 17149
increase credit life, health, or accident amounts allowable in D.C., report, 882
national defense education act, college work-study program and list of participating institutions, 1001
program for medical, osteopathic, dental, etc., and nursing students, law, 463
program, nursing student, information, 11747
Negro, enrollment in Southern and border States, 4711
occupational therapy, four educational opportunities, 8899
postgraduate students at Voronezh State University, living and study conditions, 4954
public elementary and secondary day schools, statistics, 7896
social security benefits for students 18-22, cash, 5512
student composers take over, sonata for 2 clarinets, 7911
student manual, SM series, 1905, 7528, 13427-432, 14846, 16056-57
summer jobs and how to find them, 10947
undergraduate training grants awarded by National Institute of Mental Health, 7066
vacation work-study positions, examination announcement, 214
vacation work-study programs in engineering and physical sciences, examination announcement, 17460
vocational, aids, loans, grants, etc., 2177

Students—Continued

vocational student loan insurance act of 1965—
amend, hearings, 15026
eligible institutions, list, 2181
supplement, 6181
6% payment tables and amortization schedules, 7910
see also Reserve Officers Training Corps, Army.
Studies (North Vietnam periodical):
translation, 3945
Studs, see Lumber.
Studd, Elliot, reentry of offender into community, 8791
Study, see Curriculum.
Stump sprouting of 4 northern hardwoods, 8111
Stumpage, see Timber.
Sturas, Jonas, I., photographic study of mercury droplet parameters including effects of gravity, 1509
Sturm, Herman M., technology and manpower in health service industry, 11297
Sturm, Thomas A., USAF Scientific Advisory Board, its first 20 years, 11969
Sturman, John C., improved micropower logic circuits, 14461
Stutts, Jesse W., Jr., relief, 608, 13587, 17498
Stuve, John M., heats of formation of ytterbium and thulium trichlorides, 6683
Stygones, see Amphipods.
Style manual:
Government Printing Office—
abridged edition, 11193
revised edition, 9577
Styles, Kathleen, relief, 792, 10708
Suarez, Pablo A., relief, 9210
Suarez, Rafael F., relief, 10542, 13512, 13760
Suarez-Diaz, Jose C., relief, 10709
Suarez Tejon, Virginia, see Tejon, Virginia S.
Subalpine fir, see Fir.
Subarctic regions:
emergency construction, surface drainage design for airfields and heliports, 7395
temperature inversions survey, 4200
Subcontracts, see Government contracts.
Subgravity, see Gravity.
Subin, Harry I., criminal justice in metropolitan court, 1348
Subject headings:
agricultural/biological vocabulary—
alphabetical list, 17026
categorized list, 17025
Atomic Energy Commission, nuclear science abstracts—
indexes, 128
subject scope, 7427
Library of Congress, 3910
medical, 3407
cumulated, 6940
technical thesaurus, manual for building, 4677
water resources thesaurus, 2398
Sublimation:
method for preservation of foodstuffs, USSR study, 12665
subliming solid control rocket—
phase 1, 8412
phase 2, development, 8413
Submarine boats:
engineering administration, training aid, 11664
nuclear powered—
atmosphere purification and control, status of chemical research, 17084
propulsion equipment, procurement under Public law 87-653, by Navy Dept., GAO report, 16674
safety measures for paint, fire-retardant undercoat influence on burning characteristics of combustible topcoat, 13036
Threshold, civilians who lost their lives, furnish memorial headstones or markers, hearing, 715

INDEX 1967

- Submarine cables :
composition and laying, USSR study, 15372
underwater cable design, USSR study, 15387
- Submarine crew, blood clotting studies, serial analysis of clotting mechanism during prolonged submergence, 12790
- Submarine geology, Alaska research studies, engineering seismology, 12117
- Submarine Medical Center, *see* Naval Submarine Medical Center.
- Submarine Medical Research Laboratory, color vision test, Farnsworth Lantern, 1955-65 performance record, 16845
- Submarine medicine, *see* Medicine.
- Submarine mountains, *see* Seamounts.
- Submarine warfare, undersea warfare laboratory, Los Alamitos, Calif., proposal, subcommittee report and hearings, 13698
- Submariners, acuity and phoria among, longitudinal study, 12791
- Submarine, *see* Submarine boats.
- Subminiature deflection circuit operates integrated sweep circuits in TV camera, 11479
- Subsidies :
air transportation industry (talk), 7519
large family-rent subsidy demonstration program, report, 5295
see also names of commodities, industries, etc.
- Subsistence :
Federal item identification guides for supply cataloging, supplements, 3290
special commodity quality assurance information handbook, 10887
- Substrates :
gauge accurately controls force for placing chips on substrates, 6832
mechanism, protection of enolase and lactic dehydrogenase against ionizing radiation, studies, 14774
oxide film on metal substrate reduced to form metal-oxide-metal layer structure, 12841
- Suburban and farm vegetable gardens, 8831
- Suburbanites, publications, list, 8206
- Suburbs :
busing school kids to suburbs, 10928
land-use crisis in suburbia, picture story, 11939
- Subversive activities, *see* Un-American activities.
- Subversive Activities Control Board :
annual report, 5562
appropriations, 1967, law, 501
appropriations, 1968—
hearings, 10632, 16390
reports, 10616, 16372
registration of Communist organizations, etc., amend law, report, 16290
reports, index-digest, 5563
- Success [for Negro Americans in field of employment], 15223
- Succotash, canned, U.S. standards for grades, 13892
- Sucecka, Zofia, *see* Soliwoda, Sophia.
- Sudan :
agricultural commodities, agreement, 2889
capsule facts for Armed Forces, 13283
labor conditions, 2516
mineral industry, minerals yearbook chapter, 8365
- Suddath, Jerrold H., linearized error analysis of onboard primary navigation systems for Apollo lunar module, 15556
- Suez Canal, sailing directions, 9971
- Suffix codes for jobs defined in dictionary of occupational titles, 3d edition, 9417, 10946
- Suffolk County, Mass., Norwood quadrangle, geology, 6389
- Suffren (frigate) :
French, propulsion and power production, 9670
- Sugar :
act of 1948, as amended, 1967 wage requirements, 8844
Spanish edition, 8845
classification definitions, 18123
determinations of wage rates, prices, acreage credit, etc., 3911
foreign agriculture circulars, 3345
international agreement of 1958, protocol, prolongation, text, 2885, 9186
monosaccharides, etc., occurrence, preparation, and properties, 18081
payments and quotas, statutes, compilation, 7262
requirements and quotas, 3912
sugar reports, monthly, 3913
U.S. program, including sugar act amendments of 1965, 5621
- Sugar pine, *see* Pine.
- Sugarcane, area of Louisiana, alluvial soil, deep-tillage investigations, 1672
- Sugliuchi, Howard, study of vibration of concrete, 13985
- Sugiura, Masahisa, provisionally hourly values of equatorial Dst (storm time variation), 14459
- Suicide :
bulletin of suicidology, 14617
tragedy of suicide in U.S. (talk), 8655
United States, 1950-64, study of statistics showing trends, etc., 17171
- Sulfates, *see* Lithium sulfate.
- Sulphydryls, dog plasma sulphydryl groups, effect of oxygen, 5712
- Sulfides :
cyclic, synthesis, 12823
massive deposits of Appalachians, 15310
- Sulfonates :
oil, solubilizing effect of cation and applicability of mass law, 17095
polystyrenesulfonate model membranes, polymer structure and ionic transport, 9592
- Sulfur :
carbon disulfide bench-scale production, 5127
compound characterization studies on high-boiling petroleum fractions, 2583
foam, low density, preparation of, 17379
minerals yearbook chapter, 6692
native and recovered, mineral industry survey, monthly, 3914
production, etc., 1966, preliminary, 5135
- Sulfur dioxide, removing from hot flue gases, process development, 12831
- Sulfur oxides, air quality criteria, 11715
- Sulfuric acid :
current industrial reports, 4342, 13396
specific gravity, refractometric sensing in lead-acid cell operation, 18112
- Sulky project, *see* Project Sulky (plow-share program).
- Sullivan, David, labor's role in war on poverty, 11299
- Sullivan, John B., childbearing and diabetes mellitus, 1960-62, United States, 5469
- Sullivan, Robert E., Monte Carlo program for calculation of Doppler coefficients, 18030
- Sullivan, Timothy L. :
continuity gage measurement of crack growth on flat and curved surfaces at cryogenic temperatures, 2721
uniaxial and biaxial fracture toughness of titanium alloy sheet, 11552
- Sumatra, sailing directions, change, 14576
- Summer, L., coating implements with material supply, classification definitions, 18134
- Summer education for children of poverty, 4720
- Summer jobs for students and how to find them, 10947
- Summer jobs in Federal agencies, 1928
- Summer schools, *see* Schools.
- Summers, R. L., experimental evaluation of techniques for improving fallout protection in home basements, 5765

- Summersville Dam, construction bids, quantity estimates prepared for solicitation, GAO review, 14152
- Sun, Fang T., optimum transfer between 2 terminal points for minimum initial impulse under arbitrary initial velocity vector, 1427
- Sun:
- anatomy of the sun, 14370
 - coronal photographs, isophotes, and flash spectrum from eclipse, 11531
 - ephemeris, 17902
 - low-thrust orbit raising in continuous sunlight while thrusting in plane perpendicular to earth-sun line, 15567
 - solar activity and life processes, USSR study, 1213
 - solar-geophysical data (periodical), 10969
 - solar orbit, unguided solid fuel rocket vehicle, feasibility, parametric design, and analysis, 12853
 - solar X-ray spectrum reproduced in vacuum, 12895
 - see also headings beginning Solar.
- Sundahl, William E., slash and litter weight after clearcut logging in 2 young-growth timber stands, 8087
- Sunnyside Seed Farms, relief, 358, 619
- Sunset Cliffs:
- San Diego, Calif., beach erosion study, engineer report—
 - departmental edition, 1029
 - document edition, 521
- Sunset Crater National Monument, general information, 8563
- Superconductivity:
- mechanisms, investigated by nuclear radiation, 9830
 - niobium, ultrasonic attenuation, 5273
 - simple technique determines ac properties of hard superconductive materials, 6817
 - torus in nonaxial uniform magnetic field, potential and magnetic moment, 9986
- Superconductors:
- commercial, effect of tensile stress on current-carrying capacity, 2719
 - performance of superconducting magnets, effect of mechanical vibrations, 11511
- Supergrade positions, see Civil service.
- Superheaters:
- BONUS, boiling nuclear superheater power station final hazards summary report, 5784
 - nuclear reactor, corrosion resistance of stainless steel and nickel alloys, 9797
 - nuclear superheat project, final report, 5773
- Superheterodyne receivers, see Receivers (radio).
- Superintendent of large public school systems, 6197
- Superior, Lake:
- iron resources, 6678, 14346
 - small craft, gale and whole gale warning facilities chart, 14724
- Superphosphates, see Phosphates.
- Supersonic aerodynamics, see Aerodynamics.
- Supersonic aircraft, see Aircraft.
- Supersonic airplanes, see Airplanes.
- Supersonic flow, see Flow.
- Supersonic inlets, see Air inlets (aircraft).
- Supervisors:
- don't guess! ask your security supervisor, poster, 13927
 - supervisory responsibility for safety, 9717, 16808
- Supplemental appropriations and estimates, see Appropriations.
- Supplementary Medical Insurance Trust Fund, see Board of Trustees of Federal Supplementary Medical Insurance Trust Fund.
- Supplies, see Agricultural supplies—Dental supplies—Government supplies—Hospital apparatus and supplies—Medical supplies—Military supplies.
- Supply and demand:
- demand and price situation, 3197
 - forest products, 5660
 - farm products, Saudi Arabia, projections to 1975 with implications for U.S. exports, 7886
 - long term forecasts of agricultural and livestock products in Venezuela, summary and evaluation, 12456
 - Supply catalogs, see Federal supply catalogs.
 - Supply Corps, Navy, see Navy Supply Corps.
 - Supply management and control over expendable supplies and materials, Architect of Capitol, GAO review, 14161, 15057
 - Supplying the Navy, 13029
 - Support service contracts, hearing, 16330
 - Supports, sting-support interference on aerodynamic characteristics of airplane models, 12938
 - Suppressors (electric):
 - basic suppression techniques, evaluated, 1451
- Supreme Court:
- Associate Justice, nomination of Thurgood Marshall—
 - hearings, 13876
 - report, 15062
 - cases adjudged—
 - Court of Claims cases, 970, 2142, 4663-64, 7840, 12436, 16453, 17686
 - official reports, 3652
 - United States reports, 1645, 2941, 7201
 - journal, 3924
 - manuscript and revised printed opinions in National Archives, index, 14512
 - uniform civil appellate rules for courts of appeals, power to prescribe, law, 477
 - upsets tradition by recent decisions, 6052
- Surface active agents:
- influence on properties of air bubbles at air/sea interface, 17088
 - liquid structure, effect on contact angle hysteresis, 9987
 - viscosity of polydimethylsiloxane monolayers, 8592
- Surface mining, see Mines and mining.
- Surface motion measurements, see Surfaces.
- Surface tension:
- critical, for spreading on liquid substrate, 10006
 - effect of adsorbed water upon spreading of organic liquids on soda-lime glass, 18110
- Surface water, see Water.
- Surfaces:
- areas, radioactive method, determines, 6702
 - chemical analysis by using alpha particle backscattering measurements, 12840
 - complex, plated by thin-film deposition in one operation, 8447
 - coplanarity, measuring, 17982
 - curved, free jet impingement in vacuum, 9897
 - flat and curved, crack growth at cryogenic temperatures, continuity gage measurement, 2721
 - formed concrete, reducing size and number of voids, methods, 16529
 - liquid, motion in response to lateral acceleration during weightlessness, 12966
 - preparations improve thermionic emission, 2633
 - roughness, statistical technique for dynamic analysis of vehicles traversing rough yielding and non-yielding surfaces, 8407
 - safe working, safety in industry instructor outline, 8294
 - softwood, ultraviolet irradiated and weathered, microscopic observations, 14123
 - surface effects in photodegradation of polymer films, 18113
 - zero, determining depth, USSR study, 4952
- Surgeon General, Army, see Army Medical Service.

INDEX 1967

- Surgeon General, Public Health Service, *see* Public Health Service.
- Surgery:
- emergency war surgery, NATO handbook, Spanish edition, 9366
 - ovarian cancer, surgical treatment combined with application of radiogold, 5031
 - plastic, of joints, preparation, preservation, and use of bones, USSR study, 15347
- Surgical instruments and apparatus, new stainless steels, USSR study, 6517
- Surgical supplies, hospital central services, manual, 1579
- Surinam:
- economy, basic data, 16103
 - foreign trade regulations, 4441, 12134
 - mineral industry, minerals yearbook chapter, 8266
- Surplus property:
- care and handling functions of excess real and related personal property, GSA to assume, report, 13794
 - defense disposal manual, change, 6146, 7853-54, 9368, 10890
 - excess property, control and use, etc., following U.S. military exclusion from France, hearings, 16327
 - material available for science education, 14186
 - State agencies, directors, directory, 8188
 - see also* Personal property.
- Surplus Property Utilization Office, HEW, regional representatives, directory, 8188
- Survey, Stanley S.;
- remarks—
 - Feb. 23, 1967, 7215
 - Mar. 9, 1967, 8769
 - Apr. 29, 1967, 10117
 - May 5, 1967, 10125
 - May 11, 1967, 10123
 - June 20, 1967, 13165
- Surveillance (military):
- teams, use in image interpretation, information exchange, confidence, and resolving disagreements, 5752
- Survey meters, *see* Radiation detection instruments.
- Survey of current business (periodical), 3925
- Surveying:
- aid, examination announcement, discontinuance notice, 7544
 - geodetic, activities within Federal Government, GAO review, 6382
 - publications, price list, 17134
 - seasonal employment information, 2524
- Surveyor Project, *see* Project Surveyor (unmanned lunar exploration).
- Surveyors, surveying technician, examination announcement, 13445
- Surveys, *see* Community surveys—*also* subjects of surveys.
- Survival:
- Air Force manual, 10209
 - aircrew survival equipmentman (PR) 3 & 2 and (PR) 1 & C, supplement, 11652
 - crash survival, aircraft design guide, 12309
 - differential games, generalized solution, USSR study, 14253
 - family food stockpile, 1697
 - knowledge for survival, Extension's rural civil defense program, 3463
 - personal and family—
 - civil defense adult education course, student manual, 1905
 - survival course, announcement, 16507 - shelters, sensible and latent heat losses from occupants, 7092
- Survivor Insurance, *see* Old-age, survivors, disability and health insurance.
- Survivors, *see* Civil service pensions.
- Survivors' benefits:
- Foreign Service retirement and disability system, increases and adjustments, report, 13795
- Survivors' benefits—Continued
- guide for next of kin of Air Force casualties, personal affairs pamphlet, 13259
 - social security, rights and responsibilities of recipients, 7133
- Survivors Insurance, social security rulings, 2872, 3881
- see also* Old-age, survivors, and disability insurance.
- Susceptor cups, tungsten insulated for induction furnace, eliminates contamination, 5211
- Suter, Ann C., labor law and practice in Ethiopia, 5054
- Sutherland, Harrell C., hearing of flying personnel, 17356
- Sutter National Wildlife Refuge, mammals, list, 8030
- Suttles, John T., ballistic reentry trajectories, 12932
- Sutton, Otis K., psychology bibliography, 10206
- Suzuki, G., quantitative methods for management, 11591
- Swafford, Bill, soil survey, Garfield County, Okla., 18214
- Swamp fever, *see* Anemia.
- Swamplands:
- acquisition for migratory waterfowl, extend act—
 - hearing, 10665
 - report, 12265 - wetland road crossings, drainage problems and timber damage, 14097
- Swann, Robert T., effect of composition, etc. on ablative performance of phenolic nylon, 9889
- Swanson, Bruce L., statistics of farmer cooperatives, 12485
- Swanson, Howard E., standard X-ray diffraction powder patterns, 15591
- Swanson, Robert H., low-cost instrument to measure temperature or resistance accurately, 11127
- Swanson, Rowena W., move the information, 14766
- Swanston Equipment Co., relief, 9191
- Swatara Creek, basin of southeastern Pennsylvania, evaluation of hydrologic system, 16703
- Swaziland, *see* South Africa.
- Swearlengen, John J.:
- evaluation of various padding materials for crash protection, 5803
 - injury potentials of light-aircraft instrument panels, 1820
 - potential decompression hazards in small pressurized aircraft, 17414
- SWEAT, *see* Student Work Experience and Training.
- Sweden:
- air transport services, agreement, 8724
 - atomic energy, cooperation for civil uses, agreement, 2910
 - mineral industry, minerals yearbook chapter, 15469
 - selling in Sweden, 4445
 - social security system, 1608
- Sweeney, John W., mineral industry of North Carolina, 5119
- Sweet gum:
- dormant, gibberellin-induced growth, 8093
 - nitrogen fertilization, 2321
 - site index of Delaware-Maryland stands in relation to soil characteristics, 4822
- Sweet potatoes, *see* Sweetpotatoes.
- Sweeteners:
- markets for, 4698
 - noncaloric, their position in sweetener industry, 10916
- Sweetfern blister rust, distribution and hosts, 4823
- Sweetgum, *see* Sweet gum.
- Sweetpotatoes:
- acreage marketing guide, 7828

Sweetpotatoes—Continued
 acreage, yield, etc., by States and seasonal groups, 13231, 14698
 Insects affecting, 15837
 planting, harvesting, marketing dates, by seasons, in principal areas, 13211
 theoretical segregation ratios of qualitatively inherited characters for hexaploid sweetpotato, 5688
 Sweetwater County, Wyo.:
 improvements on lands, reimburse Wyoming—
 law, 12161
 report, 661
 Sweetwater River:
 San Diego County, Calif., engineer report—
 departmental edition, 15228
 document edition, 14926
 Swenson, Lloyd S., Jr., this new ocean, his story of Project Mercury, 8438
 Swardloff, George, feasibility study of use of stannous fluoride mouthwash in school preventive dentistry program, 17352
 Swick, D. A.:
 ambiguity function independent of assumptions about bandwidth and carrier frequency, 8598
 discrete finite Fourier transforms, 15638
 Swift-Train Co., relief, 13582
 Swift, Calvin T.:
 input admittance of—
 coaxial transmission line opening onto flat, dielectric-covered ground plane, 16993
 rectangular waveguide-fed aperture antenna radiating into inhomogeneous lossy dielectric slab, 18028
 Swigert, Paul, Monte Carlo code for solution of planar electron-diode problems including electron-neutral elastic collisions, 15538
 Swimming:
 drownproofing can save your life, 1718
 underwater sports in USSR, 6552
 Swimming pools and natural bathing places, annotated bibliography, 13096
 Swine:
 avian tuberculosis in hogs, costly livestock disease, 14755
 breeds, 1686
 feeder, farm building plan, 15865
 garbage-feeding, national status on control, 3599
 hog castration, general information, 5637
 hog inventory and pig crops, 1960-64, by States, revised estimates, 4147
 miniature, cardiae output, etc., 4186
 pig crop reports, 5555, 8757, 13157, 17251
 Swine plague, African, strict prophylactic measures against, Rumanian study, 15298
 Swing-out rail system separates overhead crane rails, 6704
 Switchboards, apparatus, current industrial reports, 4343
 Switches, *see* Electric switchgear—Electronic switches—Pressure switches.
 Switching type regulator circuit has increased efficiency, 12910
 Switzerland:
 amateur alien radio operators, authorization to operate, agreement, 15776
 atomic energy, cooperation for civil uses, agreement, 2900
 background notes, 1620
 mineral industry, minerals yearbook chapter, 8367
 Swiss research in acids, 12733
 Swordfish, longline fishing effort and catch rates in northwestern Atlantic, 1957-65, inventory, 14063
 Sykes, George F., Jr., decomposition characteristics of char forming phenolic polymers used for ablative composites, 6862

Symbols:
 alphanumeric characters, etc., legibility, reference handbook, 6917
 defense materials system program identification, use in segregating renegotiable and nonrenegotiable subcontracts, 13105
 display, legibility studies, 63-64
 identification, for iron and steel, nonferrous metals, and alloy products, Communist China, 6547
 Leroy and teletypewriter, relative legibility, 64
 military, field manual, 10261
 military map, legibility on television, 63
 Northwest range-plant, list, 14141
 supplementing text of instruction plates for military vehicles, military standard, 15197
 Symposiums:
 AEC series, 10297, 12003, 14808, 15959
 aerospace measurement techniques, 6734
 biological interpretation of dose from accelerator-produced radiation, proceedings, 15960
 compartments, pools, and spaces in medical physiology, 15959
 computer simulation of plasma and many-body problems, 16928
 cotton-ginning wastes, control and disposal, 7063
 detonation, proceedings, 13030
 disposal of radioactive waste, 16747
 ethnopharmacologic search for psychoactive drugs, proceedings, 17173
 fly ash utilization, 14329
 irradiation capsule technology, developments, International symposium, 8903
 long-range forecasting and planning, Air Force research program, 17340
 medical ethics and research, 18247
 neutron noise, waves, and pulse propagation, 12003
 nuclear science and technology for ceramists, proceedings, 12982
 nucleolus, structure and function, 7074
 pneumatic transportation of solids, 2542
 radiation preservation of foods, 1783
 research methods and instrumentation, development, 17163
 research reactors, utilization, 1797
 Rumanian National Symposium on Genetics, interview concerning meetings, 12703
 safety of large volume parenteral solutions, 15275
 science and criminal justice, 11699
 solidification and long-term storage of highly radioactive wastes, proceedings, 5767
 Soviet, man-machine systems problem, report, 16753
 technology and use of lignite, Mines Bureau-University of North Dakota, proceedings, 1398
 technology and world trade, proceedings, 8520
 timers for ordnance, proceedings, 104
 tumors of alimentary tract in Africans, 14632
 vestibular organs, role in exploration of space, 5191
 water desalination, proceedings of 1st International, 9587, 11214-215
 Synapses, brain stem and spinal cord, characteristics and significance in carnivores, USSR study, 12711
 Synchronization:
 clocks, remotely located, study, 8422
 addendum, 14373
 Tv synchronization system features stability and noise immunity, 11455
 Synchronous satellites, *see* Satellites.
 Syncom, *see* Satellites.
 Synoptic catalogs, *see* Catalogs.
 Synoptic meteorology, *see* Meteorology.

INDEX 1967

Synthesis:

- asynchronous sequential circuits, 1473
- automatic frequency control systems responding to Doppler frequency shift, USSR study, 16742
- gas, using recycle system, kinetics, 9790
- higher order hydrocarbons on hot tungsten filaments, 8504
- highly halogenated monomers and polymers, 9855
- infrared horizon radiance profiles from meteorological data inputs of 15 μ band, 9801

Synthesia gas, *see* Gas.

Synthetic fibers, *see* Fibers.

Synthetic organic chemicals, *see* Organic compounds.

Synthetic resins, *see* Resins.

Synthetic telephony, USSR, 5010

Synthetic woven goods, *see* Textiles.

Syphers, Grant E., nomination, hearing, 15153

Syphilis, laboratory aspects, 18170

Syria:

- background notes, 18225
- capsule facts for Armed Forces, 11976

Syringes:

- automated microsyringe, accurate and reliable device, 14415
- microsyringe design, with micurgy chamber, allow more efficient micromanipulations, 16882

Syrups, *see* Syrups.

Systemic lupus erythematosus, *see* Lupus erythematosus.

Systems:

- analysis, pursuit urged, USSR study, 1225
- automatic, optimal training algorithms in case of nonideal teacher, USSR study, 9619
- behavioral model of man, 1967, his chains revealed, 14401
- central digital data acquisition, computer-controlled, 11492
- communication satellite for transmission of unidirectional (simplex) programs, use, USSR study, 15386
- DCS equipments/systems performance standardization program, 9360
- defense systems resources in civil sector, 17371
- emergency escape, uses self-braking mechanism on fixed cable, 5223
- fusion welding, maintains constant penetration, 11443
- high-energy-rate magnetohydraulic metal forming system, 11463
- high-pressure gases, automatically supplies analytical samples, 11442
- laser, generate single-frequency light, 16943
- logic, aids in evaluation of project readiness, 1456
- reliability of complex technical systems, USSR study, 12713
- structural analysis and matrix interpretive system (SAMIS), 12899
- system enables dimensional inspection of very large structures, 14422
- system identification and pattern recognition, 9810
- telemetry, numerical data frame readout system used in testing, 12901
- theory of large systems, USSR study, 12709
- see also* names or types of systems, e.g. Osmosis.

Systole, *see* Heart.

Szalal, Kenneth J., influence of response feedback loops on lateral-directional dynamics of variable-stability transport aircraft, 11516

Szanişzlo, Andrew J., simulation of liquid-hydrogen turbine-type flowmeter calibrations, etc., 5251

Szepesi, Zoltan, solid state image intensifiers, 5343

Szostak, Henryk, effect of explosions on snow structures, 99

T

T.I.D.E. [Testing, Information, Discussing, and Evaluating]:

- diary of counselor, 1966, summer, 7923
- promising demonstration project, 7923

T.V.A., *see* Tennessee Valley Authority.

TAB, *see* Technical abstract bulletin.

Tabio, Pablo E., relief, 10710, 16188

Tables (compilation), *see* technical, scientific, and economic subjects.

Tables (mathematics), *see* Mathematics.

Tables (furniture):

- wood, executive office, Federal standard, cancellation, 6311

Tables (medicine):

- Federal standard, 4794

Tableware:

- stainless steel flatware, Tariff Commission reports, 1646, 17255

White House china of Lincoln administration, 15600

Tubular line-of-balance production control technique, 7433

Tabulation:

- process, Atlantida, case study in household sample surveys, 7497

tabulating equipment, card processing operations, standard time values, work measurement, 184

Tachocardiography, pediatrics application, 12748

Taconite, nonmagnetic, occurrences in Hibbing, Minn. area, reexamination, 14346

Tactical vehicles, *see* Vehicles.

Tactual perception, experiments and models, 6706

Tadzhik Soviet Socialist Republic:

- Academy of Sciences—

- conferences of young scientists, 14254

- Department of Biological Sciences, newly elected members, 16785

- medical education problems, 2474

- neuropathology and psychiatry developments, 4983

Tadzhikistan, *see* Tadzhik Soviet Socialist Republic.

Taenher, Conrad, lecture, Jan. 11, 1967, 4357

Taft-Hartley act, *see* Industrial relations.

Tagging summary of American shad, Alaska sardissima (Wilson) and striped bass, *Roccus saxatilis* (Walbaum), 8037

Tahoe, Lake:

- and tributaries, pollution of interstate waters, conference proceedings, 9500

- south, water pollution, hearings, 2056

Talk Song Sin, *see* Song Sin Talk.

Taiwan:

- establishing business in, 10462

- market for U.S. products, 17853

- Take me to your leader, 10318

- Take 3 giant steps to clean air, 2821, 11731

Take-off (aircraft):

- climbout profiles of 4-engine turbojet transport airplane, noise measurement evaluations, 2699

- jet-transport handling qualities and airworthiness criteria, research simulator for investigating, validation, 1476

Talbot, Lee M., wild animals as source of food, 4810

Talent, and skills, migration, some facts and figures, 14681

Talerico, Robert L., Fiorinia externa Ferris scale insect of hemlock, 17796

Tallahala Reservoir:

- Pascagoula River, Miss., engineer report—departmental edition, 13983

- document edition, 13557

- Tallinn, Estonia, travel to, Finnish brochure, 15429
- Tallmadge, G. Kastea, training equipment and individual differences, 9980
- Tallow, world production and trade, 4817
- Tamarac National Wildlife Refuge, birds, list, 15264
- Tamarack, botanical and commercial range in Lake States, 8070
- Tamarisk, growth, periodic mowings suppress, increase forage for browsing, 6368
- Tamarix, saltcedar leaves and stems, saline residues, composition, 6397
- Tampa, Fla., area wage survey, 2505
- Tampa Bay, oceanographic atlas, 12545
- Tang, Walter K., effect of inorganic salts on pyrolysis of wood, alpha-cellulose, and lignin determined by dynamic thermogravimetry, 8103
- Tank linings, *see* Linings.
- Tanks:
- axially symmetric response of elastic cylindrical shell partially filled with liquid, 6907
 - cylindrical, liquid outflow during weightlessness, experimental investigation, 2720
 - dynamic behavior of liquids in moving containers, 5189
 - flexible and rigid ring baffles for damping liquid oscillations in large-scale cylindrical tanks, 8493
 - fuel tanks and tank filler pipes for automotive vehicles, Federal standard, 4795
 - liquid hydrogen, normal gravity self pressurization, 18019
 - pressurant requirements of helium for liquid-hydrogen expulsion using submerged gas injection, 14492
 - pressurized, preformed stiffeners used to fabricate structural components, 6842
 - propellant, venting in zero-gravity environment, 5164
 - titanium, stress corrosion failure retarded with glass bead shot peening, 14413
 - water-closet, trim, standard of trade, 5287
- Tanks (military science):
- employment, Fleet Marine Force manual, 16840
- Tanning and tanning materials, extracts, suspension of duty, continue, report, 4584
- Tantalum:
- alloys resist creep deformation at elevated temperatures, 6748
 - columbium and tantalum alloy development, 11389
 - dislocation structures in slightly strained tungsten-tantalum alloys, 14486
 - nonelectrolytic capacitors developed, 2667
 - tantalum and steel apparatus, use for molten Cd-Mg-Zn alloys, 8397
- Tantalum carbide:
- Hall coefficient, as function of carbon content and temperature, 18018
 - thermodynamic data, 1410
- Tanzania:
- background notes, 1621
 - Burundi boundary, study, 1630
 - Kenya boundary, study, 1631
 - labor conditions, 2517
 - mineral industry, minerals yearbook chapter, 8355
- Tao-tai Hsia, *see* Hsia, Tao-tai.
- Tape, Gerald F.:
- remarks—
 - Dec. 13, 1966, 1813
 - May 4, 1967, 8916
- Tape, TFE-fluorocarbon (polytetrafluoroethylene) resin skived tape, standard of trade, 5286
- see also* Adhesive tape—Electronic data processing systems—Punched tape.
- Tape readers, *see* Readers (tape).
- TAPER (temporary authority pending establishment of register) employees, *see* Government officials and employees.
- Tapering pants, 7281
- Tapeworms, general information, 1574
- Tapia Davilla, Luis, relief, 10717, 12237, 16122
- Taps and dies, tool and die industry, problems, report, 4514
- Tar:
- coal tar distillates and residues, mass spectrometric analyses, 14354
 - coal tar enamel, synthetic resin primer, 10073
 - lignite, low temperature, produces phthalic and maleic anhydrides, 9768
 - low-temperature bituminous coal tar, identification of distillable paraffins, etc., 12795
 - resin fraction from various low-temperature tar pitches, characterization, 6632
 - yields and analyses of tars from coal carbonization, 16850
- Tar roofing, *see* Roofing.
- Tar siding, *see* Siding.
- Tarassuk, N. P., dye binding of milk proteins, 4152
- Targets:
- cratering in low-density targets, 11420
 - interchangeable anodes, X-ray source uses to vary X-ray wavelength, 14424
 - optical, simplified fixture permits precision alignment, 2670
 - point-source detection system rejects spatially extended radiation sources, 6784
 - probability of target lock-on by automatic ranging during automatic search, USSR study, 11283
 - see also* Radar targets—Sodar targets.
- Tariff:
- act of 1930, special and administrative provisions under titles 3 and 4, text, 3890
 - Canadian, customs tips for Expo 67, 9358
 - communications carriers, FCC rules and regulations, 3279
 - concessions granted by United States at GATT trade conference—
 - general summary, 15751
 - list, 13128-129
 - customs administration, agreement with Philippines, 10101
 - customs bulletin, weekly, 3174
 - customs cases adjudged, 10881
 - customs duties, code of Federal regulations, 12525
 - customs hints for nonresidents, 10885
 - French edition, 15179
 - German edition, 13908
 - Italian edition, 13907
 - Spanish edition, 13906
 - customs hints for returning U.S. residents, 10882
 - customs law violations, warning to masters of vessels, 7843
 - customs regulations, 3175, 4665
 - revised pages, 4666, 6138, 10883
 - customs trademark information, 10884
 - decisions under customs laws—
 - Customs Court, 972, 9359, 16454
 - weekly report, 3977
 - publications, price list, 5415
 - schedules, 3927
 - amend to change dutiable status of watches, etc., from insular possessions—
 - law, 509
 - report, 911
 - annotated, 3928
 - supplements, 2943, 7204, 10111, 14702
 - technical amendments act, extension of time for filing certain requests—
 - law, 13523
 - reports, 9089, 13800
 - summaries of trade and tariff information, 7203, 8765, 18237
 - tariff-rate import quotas, 9357

INDEX 1967

Tariff—Continued

treatment of articles assembled abroad of products of U.S., law, 510
see also names or classes of articles imported or exported.

Tariff Commission:

appropriations, 1967, law, 501
appropriations, 1968—
hearings, 10632, 16390
reports, 10616, 16372
notices of hearings, investigations, etc., 3926
press releases, 3764
reorganization—
hearings, 9160, 10850
message from the President, 9061
reports, 9111, 10759
report, 1966—
departmental edition, 7202
document edition, 5985

Tariff examiners, see Transportation tariff examiners.

Tariffs and trade, general agreement on, see General agreement on tariffs and trade.

Tarim River and Valley, basin, description of deserts, 16777

Tarjan, George, comments, Mar. 1967, 7048

Tarpaulins, for fumigation, roller system to facilitate covering boxcars, 13202

Tarrants, William E., work injuries and work injury rates in heavy construction industry, 17890

Tartaron, Francis X., effect of lime structure in oxygen steelmaking, 6882

Tashiro, H., development of blacklight trap for European chafer surveys, 7303

Tasmania, lights and fog signals, list, changes, 1537, 7004, 11642, 18099

Tate, Ray J., soil survey of Gwinnett County, Ga., 15748

Tate County, Miss., soil survey report, 11811

Taube, Carl A., employees in nursing and personal care homes, number, etc., 7098

Taunton quadrangle, Mass., geology, 9560

Tax Court:

appropriations, 1968—
hearings, 6027, 10806
law, 13529
reports, 9097, 10791
reports (decisions)—
bound volumes, 2944, 8768, 17259
consolidated pamphlets, 3929

Tax exemption:

applications, revocation or modification of exemption rulings and determination letters, issuance of rulings involving prohibited transactions, procedure outline, 14205

combat pay exclusion for commissioned officers, increase, law, 452

Federal excise, on beer and tobacco products, GAO review, 9554

foundations and charitable trusts, their impact on our economy, committee prints, 4562, 10679
print additional copies, reports, 13653, 13820

foundations, their impact on small business, hearings, print additional copies, reports, 13653, 13820

House of Representatives majority and minority rooms from D.C. sales and use taxes, report, 9087

pension, annuity, profit-sharing, stock bonus, or bond purchase plans, and exempt status of related trust, procedure outline, 12652

Tax guide for U.S. citizens abroad, 2414

Tax law specialist, 6463

Tax refunds:

attributable to net operating loss deductions, opportunities for reducing cost, Internal Revenue Service, GAO report, 11149

Federal gas tax refund, nonhighway and transit users, 1143

Tax refunds—Continued

interest on income tax refunds made within 45 days after filing return—

law, 1970
reports, 2023, 2097

internal revenue taxes, refunds and credits, report, 9057

revenues increased by improving controls etc., relating to interest paid on Federal income tax refunds, Internal Revenue Service, GAO report, 2344

Tax returns, see Income tax.

Taxation:

attempted criminal violations of tax laws, detection and investigation, 16721

career opportunities, IRS—
in tax work, 2400

tax law specialist, 6463
tax technician, 1148

current tax developments (remarks)
10117, 13165

double, convention with—
Belgium, protocol, 2908

Brazil—
hearing, 17651
text, etc., 9185

Canada, supplementary—
hearing, 17651
report, 17620

text, etc., 4575

Trinidad and Tobago—
hearing, 17651
report, 17620

text, etc., 6063

United Kingdom, 2921

exports, recommendations of Action Committee on Taxation, status report, 9021

farmland—
differential assessment, near cities, experience in Maryland, 17712

rural-urban fringe, summary of State preferential assessment activity, 16486

Federal tax lien act—
law, 433

legislative history, 757

report, 656

foreign investors tax act of 1966—
law, 513

law, summary, 9177

legislative history, 7762

report, 702

Senate amendments, summary, 4567

summary of House bill and suggested technical amendments, 2114

guide for U.S. citizens abroad, 2414

highway statistics, 13101

intergovernmental relations, results of questionnaire, print additional copies, reports, 4597, 10585

international tax matters, current developments in U.S. treatment, (remarks), 8769

join the world of international taxation, career opportunity, 8217

key factor in business decisions, 1598

open space land planning and taxation, bibliography, 12627

publications, price list, 5415

quarterly tax reports, 5894, 7495, 10385, 16034

real property transferred by RFC to other Govt. departments, payment in lieu of taxes, extend—

law, 13531
reports, 10606, 13793

recommendations for taxes—
hearings, 17614

message from the President, 16154

small business, 1967 guide, 2413

social security—
employers in Virgin Islands, Guam, and American Samoa, 2402

household employer's tax guide, 2401

State and local governments revenue, quarterly summary, 5894, 7495, 10385, 16034

Taxation—Continued

State-local taxation and industrial location, interrelationship, 15823
 State tax collections, 1966 report, 180
 States, interstate taxation act, reports, 9084, 13682
 tax overlapping in U.S., supplement, 4079
 tax policy and tax administration (remarks), 10125
 tax policy developments in corporate area (remarks), 7215
 tax surcharge and national economy (address), 18244
 uses of tax policy (remarks), 8776
see also Employment taxes—Excise taxes—Franchise tax—Income tax—Inheritance and transfer tax—Internal revenue—Revenue—Sales tax—Social security—Tax exemption—Tax refunds—*also* names of articles, etc., subject to tax.

Taxes, see Taxation.

Taxonomy:

distribution, and polymorphism in *Labi docera jollae* group, etc., 8544
 extinct sea mink, 6964
Streptomyces griseus (Krainisky) Waksman and Henrici, study of some strains, 54
 Subgenus *Podosemum* and section *Epitaxones* of *Muhlenbergia* (gramineae), taxonomic study, 17047
 systematic position of 2 taxa erroneously placed in family *Stenomidae* (lepidoptera), 5304

Taylor, James T., digital filters for non-real-time data processing, 17935

Taylor, Dan, AFOSR research, 15878

Taylor, Earl G., Baltimore regional wholesale food distribution facilities, 3650

Taylor, George S., Court of Customs and Patent Appeals custom cases adjudged, etc., 10881, 12437

Taylor, H. Ralph:

addresses, etc.—

Nov. 15, 1966, 2386

Nov. 22, 1966, 2379

May 19, 1967, 11198

Sept. 12, 1967, 17841

Taylor, J. Thomas, thermal control considerations for manned orbiting space station, 11538

Taylor, John G., brooding chicks with infrared lamps, 15857

Taylor, Maynard F., correlation of friction coefficients for laminar and turbulent flow etc., 17014

Taylor, Proctor P., Jr., preparing contractor reports for NASA, data presentation, 1443

Taylor, Rufus L., nomination, hearings, 942

Taylor, Walter W., relief, 319

Taylor, William R., enzyme method of clearing and staining small vertebrates, 11605

Taylor, David, Model Basin, *see* David Taylor Model Basin.

Tea, foreign agriculture circulars, 3345

Teacher Corps:

naming, extending program, etc.—

law, 12176

reports, 12275, 13643, 13805

Teacher Corps, National, *see* National Teacher Corps.

Teachers:

civil defense adult education, personal and family survival, manual, 7916, 12470

compensation, long-term trends in urban public schools, 3080

constructing and using achievement tests, guide for Navy instructors, 1544

daily program for child development center, manual, 15204

District of Columbia—

leave act of 1949, amend relative to sick leave provisions, report, 14991

retirement act, amend to provide full annuity at age 55, report, 14992

salaries, increase, law, 4992

Teachers—Continued

education, standards, 6195

elementary, employment opportunities, Indian Affairs Bureau, examination announcement, 1922

discontinuance notice, 1921

English teaching forum, facts and ideas for teaching English as foreign language, 5577

experienced elementary and secondary fellowship for graduate study, program, 6182

Federal income taxes program, general, guide, 1149

Israel, modern education system, 6187

meeting shortages, higher education act amendments—

law, 12176

reports, 12275, 13643, 13805

of disadvantaged youth, national defense education act, institutes for advanced study, summer 1967, handbook for directors, 1003

opportunities abroad for teachers, teaching, summer seminars, 13958

prospective teacher graduate fellowships, 1967-68 programs, 7906

public elementary and secondary day schools, fall 1966, statistics, 7896

retired, opportunity to reach the forgotten through VISTA, 15208

teaching for the future (address), 13965

see also Faculty (schools).

Teaching:

automatic systems, optimal training algorithms in case of nonideal teacher, USSR study, 9619

beautiful junk, inexpensive materials for preschool program, 17709

Federal income taxes program—

farm, 8221

general, 8220

Muslim, reviewed in Soviet press, 1252

raw luster for college teaching, address, 9404

Peace Corps, from rote to reason, 5385

teaching as business and desire (address), 9412

teaching for the future (address), 13965

see also Programmed instruction—

also subjects taught.

Teaching machines:

computer-aided teaching of dynamic system behavior, 62

exhibit, USSR study, 1201

Teak:

pruning, effects, 12576

young, plantation, mowing understory vegetation, 12574

Teal, green-winged, distribution, migration and population dynamics, 14067, 16633

Team training, 18109

Teamwork, TVA and Tennessee Valley Trades and Labor Council (periodical), 3930

Tech Top Project, *see* Project Tech Top.

Teche Bayou:

basin, engineer report—

departmental edition, 4741

document edition, 4479

Technical abstract bulletin, Government-wide index, 3381

Technical assistance:

EDA program, what it is, how to apply, 7867, 13923

management and technical aid for displaced small businesses, 14643

technical assistance aid (series), 8286

see also Foreign aid.

Technical bulletins:

Agriculture Department, 54, 1722-23, 4151-52, 5685-88, 7303, 8849, 11945, 13252, 14763-765, 17334-336

Coast and Geodetic Survey, 5946

Technical cooperation, *see* Foreign aid—*also* name of country with which agreement is made.

INDEX 1967

Technical cybernetics (USSR periodical):
translations, 2481, 6502, 9615, 14226,
15401

Technical education:
determining courses of study, 1017
role of technical schools in improving skills
and earning capacity of rural manpower,
case study, 5040
technical education program series, 1000
vocational-technical program development,
State reports, 6196

Technical history of environmental control
system for Project Mercury, 18009

Technical information:
Army scientific & technical information
program, 13306
Government research and development re-
ports that may help your company,
14520
scientific and technical information serv-
ice, organization in USSR, 2430
single and united system, construction,
USSR study, 9646, 9675
systems, nonconventional, in current use,
descriptions, 11623

Technical information bulletin, Public
Health Service, 17164

Technical instruments, exports, 1958-66,
analysis, 15983

Technical intelligence, 102

Technical journal of soils (Communist China
periodical):
translations, 1211

Technical libraries, see Libraries.

Technical manuals:
Army Department, 105-115, 1767-72,
4213-18, 5740-46, 7390-402, 8885-94,
10270-282, 11994-995, 13301-304,
14801-803, 15945-954, 17386-387
Army Strategic Communications Com-
mand, 7377
printing, procurement from equipment con-
tractors, Defense Dept., GAO report,
2345

Technical memorandums:
Coastal Engineering Research Center,
7924-25, 10954, 13976, 16522-523
Environmental Science Services Adminis-
tration, 6219-22, 7935, 9427-29, 10964-
966, 12479, 15231, 16532
National Aeronautics and Space Adminis-
tration, 2682

Technical news bulletin, National Bureau of
Standards, 2931

Technical news from Department of Com-
merce, National Bureau of Standards, 3932

Technical notes:
National Aeronautics and Space Adminis-
tration, 1473-1514, 2683-2730, 5228-75,
6851-6907, 8480-566, 9871-9918,
11485-555, 12919-976, 14447-497,
15554-581, 16970-17011, 18008-53
National Bureau of Standards, 1525-26,
2743-46, 5288-93, 6921-24, 8526-27,
9944-45, 11589-592, 12989, 14517-519,
17038-42, 18080-83
Weather Bureau, 2972

Technical papers:
Census Bureau, 5902, 13401, 16035
National Advisory Commission on Food
and Fibers, 15666, 17122-124, 18144
Sport Fisheries and Wildlife Bureau,
4811-12, 8042, 12551, 14070, 16636,
17787

Technical progress reviews, 3449, 3645, 3697,
3806-7

Technical publications, National Bureau of
Standards, 1527

Technical record of design and construction:
Navajo Dam and Reservoir, 7103, 8667
Willard Dam, 8671

Technical reference, Department of Labor,
safety training program, TR 18 series,
9733-41

Technical reports:
Air Weather Service, 7318, 8860, 15883-
884, 17339
Army Aviation Materiel Laboratories,
116-117, 1773, 4220-23, 5747-49, 7408-
11, 8897-98, 10286-293, 11996-998,
13307-310, 15955, 17388
Army Engineer Division, North Pacific,
2201, 4729, 10949
Army Transportation Research Command,
8895
Civil Defense Office, 4384, 5917, 7529-30,
8981, 14847, 16058-60
Coastal Engineering Research Center,
1022
Cold Regions Research and Engineering
Laboratory, 99, 4200-2, 7381, 8879,
11983, 15932-933, 17377-379
Electronic Systems Division, 62-65, 4166,
8861-64, 13262
Environmental Science Services Adminis-
tration, 2223-25, 4748, 6223-25, 9430,
10967-968, 16533
Government reports, standard for descrip-
tive cataloging, 6245
National Aeronautics and Space Adminis-
tration, 1515, 6908-10, 8507-8, 9919,
11556-559, 12968-971, 14498-499
17012-16, 18054-56
Naval Oceanographic Office, catalog, 11632
Naval Training Device Center, 2784, 5343,
7024, 8585, 9980-82, 11670, 15635,
18109
Ohio River Division Laboratories, 16524,
17734
Personnel Research Laboratory, 4170-72,
5705, 7339, 13267-268, 15891-893,
17343-345
School of Aerospace Medicine, 65-92, 1730-
44, 4175-87, 5706-15, 7341-70, 8868-
69, 10231-244, 11954-967, 13269-272,
14770-782, 15894-901, 17346-363
Veterans Administration, 13171
Waterways Experiment Station, 1030,
2220-21, 4743-45, 6210-16, 7930-34,
9424, 10960-962, 13985-988, 16526-529,
17737

Technical research notes:
Army Personnel Research Office, 118,
4224-26, 5750-51, 7403-5, 10282A-283
Behavioral Science Research Laboratory,
14804

Technical research reports, Army Personnel
Research Office, 119, 4227-28, 5752, 7406

Technical services:
Engineers Corps in war against Japan,
5096
government policy and practices with re-
spect to contracts, hearings, 10843
mid-level positions, examination announce-
ment, 16068
State—
designated agencies, list, 10469
national conference, report, 12131
working relationships (remarks), 4450

Technical study series, National Commission
on Food Marketing, 5297-98, 9947

Technical translations:
bibliography (periodical), 3933
National Aeronautics and Space Adminis-
tration, 5276-77, 6911-12, 8509-12,
9920-28, 11560-573, 12972-976, 14500-
504, 15582, 17017, 18057

Technical writers, see Authors.

Technicians:
Army National Guard program, job de-
scriptions, pamphlet, change, 11597
current employment market, 4727
employment in State governments, 15450
engineering and physical science, exami-
nation announcement, 13445
engineering and scientific, examination an-
nouncement, amendment, 1910
engineering, pay, national survey, 2507

Technicians—Continued

National Guard, clarify status—
hearings, 6030, 17640
reports, 658, 6012
radiological health, training, 13093
restoration technician, examination an-
nouncement, 17455
senior level positions, examination an-
nouncement, 8988
women in technical positions, fact sheet,
5602
see also Computer technicians—Electronic
technicians—Fire control technicians—
Mathematics aids—Physical science
aids.
Technique for rearing pales weevil, 9538
Technique for verifying structural integrity
of full scale segments of launch vehicles at
transonic speeds, 6906
Techniques Development Laboratory, ESSA
technical memorandum, WBTM TDL
series, 9428-29
Technological innovations:
and human goals (remarks), 15976
innovation and profitability (address),
7568
problems and opportunities (remarks),
7584
technological innovation, its environment
and management, 5962
Technological Laboratory, Pascagoula, Miss.,
Commercial Fisheries Bureau, annual re-
ports, 4801, 16620
Technologists, see Forest products technol-
ogists—Medical technologists.
Technology:
academic technology, degree profile and
Federal contributions to universities,
etc., 14560
acquisition channels in commercial firms
and NASA dissemination program,
program, 14375
applied science and technological progress,
panel report—
articles, 16342
hearing, 15049
print additional copies, report, 16263
Army Materiel Command, manufacturing
methods and technology, 5-year pro-
gram, 15943
assessment, for determining public policy,
13717
Bulgaria, progress, 1967 program, 6494
Communist China, translations, 3952
computer—
cybernetics in service of Communism,
USSR studies, 12742
in Soviet economy, 1310
USSR problems in assimilating, 2449
education and changing technology (ad-
dress), 998
exchanges, agreement with Union of
Soviet Socialist Republics, 7182
future international meetings, world list,
4073
health service industry, 1965-75, report,
11297
Hungary, technical mechanical research
status surveyed, 15415
impact on desalting and energy develop-
ment and utilization (remarks), 10313
impact upon world trade, symposium pro-
ceedings, 8520
manpower and automation in perspective
of long-term technological change, sem-
inar on manpower policy and program,
2487
NASA technical reports for 1966, selected
listing, 12884
new pay scales for scientific workers in
Bulgaria, 1303
new technology reporting to NASA—
management guidelines, 1418
reportable items under new technology
clause, 5279
nuclear science and technology for ceram-
icists, proceedings of symposium, 12982

Technology—Continued

Panel on Science and Technology, 8th
meeting—
papers, 12315
proceedings, 9170
papers, contributions from History and
Technology Museum, title page, con-
tents, and index, 14529
policy studies, review and forecast, 2059
postal modernization, hearings, 13712
processing meat products, new technologi-
cal methods, 6546
relationship to transnational business
(remarks), 9025
requirements of food additive petitions,
FDA guidelines, 2285
science and technology for mankind's
progress, 13454
science, government, and public policy,
Government-science relationships dur-
ing 89th Congress, 13716
scientific and technical information (USSR
periodical), 3852
setting up socialist brigades for technical
progress, new regulations announced,
Bulgaria, 12668
sociological problems of development,
USSR review of new literature, 16787
space power systems advanced technology
conference, 1440
spacecraft sterilization, conference papers,
5190
State technical services—
act, amend to include Guam—
law, 475
report, 891
discipline-oriented or problem-oriented?
4452
technical thesaurus, manual for building,
4677
technology and criminal justice, task force
report, 11704
technology and world trade (remarks),
1958, 1961
technology and your new products, 13118
telephone industry, 1965-75, report, 5036
time, leisure, and computer, crisis of mod-
ern technology (remarks), 5799
Timisoara Center for Technical Research,
Rumania, activities, 1191
transfer—
address, 244
assessing, 2619
policy planning report, 10693
transfer and innovation, conference pro-
ceedings, 15616
USSR—
achievements, 14248
advancement and improvement, 1158
information services for technical prog-
ress, value, 6513
Lenin prizes, recipients, 9657
technical information, development,
9613
utilization (series), 5193-96, 6737-38,
8440-41, 11428-430, 15517-518, 16932-
933, 17953
utilization bibliography (series), 2618,
5026, 8439
water yield increase from atmosphere,
technological development plan, 5480
see also Space technology—Technological
innovations—also subjects.
Technology and Human Environment, Se-
lect Committee on, Senate, establish, hear-
ings, 10840
Technology and Science, Federal Council for,
see Federal Council for Science and Tech-
nology.
Tectonics:
analysis of upper Mississippi Valley zinc-
lead district, 4888
Upper Cretaceous and Tertiary rocks, east-
central San Juan Basin, N. Mex., 16693
Tedrow, R. L., digest annotated and di-
gested opinions, U.S. Court of Military
Appeals, 9369

- Teenagers, *see* Youth.
- Terms sound off, 17726
- Teeth:
- adults, decayed, missing, and filled teeth, 1960-62, United States, 5470
 - dental care for chronically ill, 13089
 - dental caries increments, evaluation with bite-wing roentgenograms, 14321
 - dental caries status of Air Force enlistees, 7353
 - dental health program for American Indians, Eskimos, & Aleuts, 11724
 - healthy, growth, care, etc., 5433
 - National Dental Health Assembly fluoridation, emphasis, 5449
 - research explores dental decay, 1576
 - thermography of human dentition, 17357
- Teflon, *see* Polytetrafluoroethylene.
- Tehama-Colusa Canal unit, *see* Central Valley project.
- Tehama County, Calif., soil survey report, 14658
- Tejon, Maria V. S., *see* Tejon, Virginia S.
- Tejon, Virginia S., relief, 12227
- Telecommunication:
- agreement with, Philippines, 1638
 - code of Federal regulations, 7985-87, 9483
 - communications, electrical, classification definitions, 17108
 - engineering, installation practices CC TM technical manual, 7377
 - high frequency ionospheric systems, statistical performance indexes, predicting, 2223
 - international, convention and protocol—report, 7775
 - text, 15779
 - pre-sunrise operation of certain standard (A) radio broadcasting stations agree with Canada, 15780
 - space technology, 6731
 - split phase link, characteristics, 15580
 - see also* special method of communication.
- Telecommunication Sciences and Aeronomy Institute, *see* Institute for Telecommunication Sciences and Aeronomy.
- Telegraph:
- and telephone committees of FCC, report in domestic telegraph investigation, 17751
 - carriers—
 - domestic and overseas, annual statistics, 16565
 - quarterly operating data, 3797
 - franks, FCC rules and regulations, 3279
 - input-output devices for digital computer systems, USSR study, 1254
 - telegraphy, patent classification definitions, 17106
 - wire, classification of employees, FCC rules and regulations, 3279
- Telegraphy, *see* Telegraph.
- Telemetry:
- automatic checkout system, 18002
 - digital system detects binary code patterns containing errors, 2647
 - efficient coding system for deep space probes with, 14493
 - evolution of satellite PFM encoding systems, 5241
 - maximum utilization of FM subcarrier bandwidth, 9992
 - miniature capacitive accelerometer especially applicable, 1470
 - satellite, data simulation program, generalized, 1508
 - satellite station near Fairbanks, Alaska, agreement with European Space Research Organization, 11836
 - space, data compression with error-control coding, 11558
 - STARS II, fully automatic satellite data processor, description, etc., 11527
 - system, miniature, accurately measures pressure, 6786
 - systems, numerical data frame read-out system used in testing, 12901
- Telemetry—Continued
- temperature-sensing system for rhesus monkeys, 17360
- Teleostel, copepod crustaceans parasitic on teleost fishes of Hawaiian Islands, 11603
- Telephone:
- abusive and harassing calls in interstate and foreign commerce, or within District of Columbia, amend communications act—
 - hearing, 10826
 - reports, 4582, 9294
 - carriers—
 - annual statistics, 16566
 - quarterly operating data, 3796
 - commercial communications services, Air Force manual, 4164
 - companies—
 - class A and class B, classification and compensation of employees, FCC rules and regulations 3279
 - consolidation, acquisition or control applications, FCC rules and regulations, 3279
 - uniform system of accounts, FCC rules and regulations, 3278
 - criminal penalties for making certain calls in D.C., report, 9128
 - directories—
 - Agriculture Department, 17337
 - Atomic Energy Commission, 14810
 - Commerce Department, 16110
 - House of Representatives, 7592
 - Interior Department, 17850
 - NASA headquarters, 16926
 - Senate, 760, 10689
 - State Department, International Development Agency, Arms Control and Disarmament Agency, 15764
 - franks, FCC rules and regulations, 3279
 - House Members, service outside D.C., payment from contingent fund, report, 10583
 - industry, technology and manpower, 1965-75, report, 5036
 - materials acceptable on systems of REA borrowers, list, 3513, 13111
 - rural programs—
 - statistical report, 2849
 - supplemental financing—
 - hearings, 938, 10625, 17585
 - report, 13659
 - service to military family housing occupants, methods used to provide, Defense Dept., GAO review, 6383
 - sound-powered, talker's manual, 4422
 - statistical bulletin, 3801
 - synthetic telephony, USSR study, 5010
 - systems, invasions of privacy, hearings, 6118
 - telephone and telegraph committees of FCC, report in domestic telegraph investigation, 17751
 - telephony, patent classification definitions, 17107
- Telephone cabinets, wood, Federal standard, cancellation, 6308
- Telephone cooperatives, annual meeting guide, 7105
- Telephone lines, extension, etc., FCC rules and regulations, 3279
- Telephone operators:
- examination announcement, 5923, 13451
 - suspension notice, 4409
- Telephony, *see* Telephone.
- Telescopes, *see* Coronagraphs—Radio telescopes
- Telesat, *see* Satellites.
- Teletype:
- and Leroy symbols, relative legibility, 64
 - maintenance of teletypewriter systems, FAA handbook, 7946
 - noise-rejection coding of digital teletype communications in complex automatic hydrometeorological telemetering systems, USSR study, 8275

Teletype—Continued

TT-299/UG equipment, maintenance training, trainee's guide, 1547
Teletypewriter, *see* Teletype.

Television:

anticompetitive effects of sale of network TV advertising, hearings, 10857, 16424
apparent resolution, means for improving, 11478
broadcast actions, reports, 3269
cable TV, requests filed under FCC rules, 3269
center for ITV, 997
closed circuit system monitors welding operations, 12893
closed-circuit TV maintenance course, class C, curriculum, 7015
cloud photography, meteorological satellite data, catalog—
ESSA 3, 16536
TIROS IX, 6227
TIROS X, 13990
community antenna systems, copyright law revision, hearings, 4645
diagnosis, USSR study, 1257
educational, Ford Foundation proposal for broadcasters non-profit satellite service, hearings, 2111
emergency broadcast system, basic plan, 14016
head-controlled system produces high-quality remote image, 16887
households with sets in US, current housing reports, 7477
households with UHF and color sets in selected metropolitan areas, current housing reports, 15989
images, ultrasonic, improved by use of Lamb-wave orientation technique, 15494
instructional television, research, 9409
military map symbols legibility, 63
postal service uniform or badge worn in productions, permit use, report, 14975
predictions and projections of election results, effects—
hearings, 16400
report, 15143
professional football telecasts, protect secondary school contests—
hearings, 742
law, 504
law, legislative history, 2064
law, summary, 4566
Senate amendments, summary, 4568
public broadcasting act of 1967—
hearings, 10824, 13710
reports, 10756, 14980, 16245
receiving sets, deceptive advertising as to sizes of viewable pictures, trade regulation rule, 6337, 11068
receiving tubes, temporary suspension of duty, report, 2028
sets, current industrial reports, 4323, 12072
signal processing system, 14438
stations, require furnishing of free time to candidates for public office, hearings, 16400
synchronization system features stability and noise immunity, 11455
see also Scanning.
Television cameras, *see* Cameras.
Tellman, S. J., measurement of uniaxial creep of selected adhesives in free film form, 12570
Tellurium:
distribution—
Cripple Creek district, Colo., 9571
Ely mining district, White Pine County, Nev., 9564
materials survey, 16854
Tellurium isotopes, elastic and inelastic scattering of 42-MeV alpha particles, 11536
Telsey, Leon G., nomination, hearings, 6034

Temperature:

absolute temperature measurement at microwave frequencies, 17016
bend transition of wrought tungsten, effect of ductile cladding, 17008
brass alloy holds bonding strength over wide temperature range, 5207
calculating steady temperature in gas containing heat sources, digital computer program, 16987
control, orbital otolith experiment, 12868
distribution, of conical porous membrane during planetary entry, 11554
electron, nonequilibrium, magnetically induced, 9995
elevated—
edgewise compressive properties of titanium and nickel-base sandwich constructions, 8102
tensile properties of discontinuous-fiber composites, metallurgical and geometrical factors affecting, 8498, 14451
undercoat prevents blistering of silver plate, 11444
fast response thermocouple measurement, in cryogenic gases, 6820
fixture tests bellows reliability through repetitive pressure/temperature cycling, 11448
freezing spring temperature damage to knobcone pine, 8117
high—
bearing cage materials, evaluation, 5274
brazing tungsten for nuclear reactor service in hydrogen, 11506
coating of metals, USSR study, 9677
cobalt-iron alloy, investigation, 1500
engines, cold-air investigation of turbine, 5236
thermometry seminar, 129
initial load and exposure to moderately elevated temperature effect on room-temperature fatigue life of Ti-8Al-1Mo-1V titanium-alloy sheet, 14464
instrument accurately measures small changes on test surface, 6799
inversions, Arctic and subarctic survey, 4200
jet, effect on refraction of sound, 14389
limitations of ester, ether, and hydrocarbon base lubricants in 25-mm bore ball bearings, 15576
liquified gas streams, mixer conditions, 5219
low cost instrument to measure, 11127
low, hexagonal and cubic ice formation, study, 17375
maximum surface, parameters for predicting of wood in exterior exposures, 1096
measurement—
bibliography, 11584
in charring ablator, effect of thermocouple wire size and configuration, 6864
on board entry vehicle, use in determining structure of atmosphere, 9904
orbiting spacecraft, use of analog computation in predicting, 6853
Pacific Northwest, monthly, 3669
Pegasus spacecraft, thermal design, 1477
evaluation, 2687
precision capacitor has improved temperature and operational stability, 16885
pressure diagrams construction for multi-component systems after method of Schreinemakers, geometric approach, 2359
programmed, modulating valves, 2
regulation, heater control circuit provides both fast and proportional control, 11445
river temperatures, Pacific Northwest, 3839-40
sea water, frequency spectrum of short period fluctuations, USSR study, 1180

INDEX 1967

- Temperature—Continued
 sound absorption in air versus humidity and temperature, 6707
 spectroscopic measurements in plasmas, 2714
 stability, improved performance in sensing disks for slug-type calorimeters, 11482
 steady-state distribution within plane or axisymmetric solids, computer program, 15487
 surface, of materials in presence of extraneous radiation, methods for obtaining, 16975
 temperature and dew points for Northern Hemisphere, 6992
 temperature and wind velocity combinations, recurrence in lower 100-m layer of atmosphere, experimental calculation, 11565
 thermophysical properties of potassium, summary, errata, 12920
 transient and steady-state temperature prediction for complex body shapes simplified by computer program, 9825A
 upper stratosphere and mesosphere, measurements, 17012
 water, data correlation and analysis for Oregon streams, 8177
see also Body temperature—Heat transfer—Ocean temperature.
- Temple, Tex., land transfer to, report, 6006
 Ten-bit analog-to-digital converter, 11486
 Tenants, *see* Landlords and tenants.
 Tengan, Mutsusuka, relief, 568
 Tennessee:
 Appalachia counties, forest industries, 16666
 census of agriculture, 1964, State and county statistics, 16040
 census of manufactures, 1963, area statistics, 1850
 census of mineral industries, 1963, area statistics, 5842
 climatological data, 3096
 county business patterns, 4319, 13381
 land conveyance to State for use of Memphis State University—
 hearing, 9326
 law, 12174
 reports, 7709, 12365
 mineral industry; minerals yearbook chapter, 6666
 Pennyroyal area, commercial tobacco-livestock farms, costs and returns, 16490
 postal map, 5398
 precipitation data, hourly, 3401
 soil survey laboratory data and descriptions, 13126
 training and technology, new skills for underemployed, 16792
 Tennessee River and Valley:
 forest resources and industries, 10116
 labor movement between farm and non-farm sectors and multiple-jobholding by farm operators, 17262
 navigation and economic growth, Tennessee River experience, 5567
 precipitation in basin, monthly, 3698
 water resource, nature's constant gift, report, 2945
 Tennessee Valley Authority:
 annual report, 5566
 appropriations, 1967, public works—
 hearings, 939
 law, 403
 appropriations, 1968, public works—
 hearings, 12287, 16393
 report, 13678
 electricity sales statistics, retail distribution, 3231
 Engineering Laboratory research, 1965—
 66, in fields of civil engineering, mechanical engineering, instrumentation, 17260
 fertilizer trends, 17261
 Tennessee Valley Authority—Continued
 financial statement, 1647
 GAO examination, 6375, 7604
 flood losses, managing, 13162
 forestry bulletin, 18239
 industrial development in area, 14706
 Maps and Surveys Branch, general information, 1649
 navigation and economic growth, report, 5567
 power, 1966 annual report, 1651
 power, 1967 program, 17263
 teamwork (periodical), 3930
 TVA, 1966 programs, 14708
 Tensile strength, *see* Strains and stresses.
 Tensiometers, pendant drop interfacial, modifications, 6640
 Tension:
 acclimatization versus tolerance to stress, annotated bibliography, 17363
 parawings, tension-structure, low-speed wind-tunnel investigation, 14454
 Tension shells:
 flexible towed, flutter, 9818
 flow field and heat-transfer investigation, 5270
 Tenure of land, *see* Land tenure.
 Tepee burners, *see* Incinerators.
 Terichow, Oleg, pendulum sclerometer for surface hardness studies, 11381
 Terminal boards, Federal item identification guide, 13918
 Terminals (transportation):
 Air Force guide, Defense Supply Agency handbook, 10888
 air traffic control, 13276, 14785
 Navy, Marine Corps, and Coast Guard guide, Defense Supply Agency handbook, 17690
 Termites, nonsubterranean, control, 7270, 8826
 Terms used in international agricultural trade, 9524
 Ternary alloys, *see* Alloys.
 Terrain:
 NRL terrain clutter study phase 1, 14591
 photography on Gemini IV mission, 11528
 vector diffraction theory, 7935
 Terrestrial magnetism:
 earth's magnetic field—
 influence on—
 backscattered signal, USSR study, 6575
 diurnal variation of f_oF2 (Fourier analysis), 8512
 NELIAC-N computer program to calculate components, 17083
 internal magnetization of seamounts and its computer calculation, 12612
 polar region studies in geomagnetism, USSR, 8277
 Territories:
 health authorities, 1967, directory, 15680
 report on 1965-66 compensatory education programs under title 1, Public law 10, 7890
 Territories Office:
 appropriations, 1968, hearings, 7734
 programs, briefing, hearings, 10655
 Terrorism:
 organizations, curb, report, 16250
 Viet Cong terror tactics in South Vietnam, 17218
 Tertiary limestone, *see* Limestone.
 Tertiary period:
 lower Tertiary stratigraphy in west-central Puerto Rico, 17820
 plants from Cook Inlet region, Alaska, 2365
 rocks, east-central San Juan Basin, N Mex. stratigraphic and regional tectonic implications, 16693
 rocks in Corozal quadrangle, Puerto Rico, 1112
 tertiary biostratigraphy of Cook Inlet region, Alaska (series), 2365

Tertiary period—Continued
 zoogeographic evidence for late Tertiary lateral slip on San Andreas fault, Calif. 17827
 Test and evaluation report, 8599
 Test facility, ballistic, for personal armor material, military standard, 9375
 Testimony, *see* Evidence.
 Testing:
 employment testing procedures, guidelines, 2227
 National Bureau of Standards, test services, inserts, 8518, 9937-39, 12980, 15585-587, 17032
 nondestructive, trends and techniques, 11430
 pressure transducers, automated tester permits precise calibration from 0 to 1050 psi, 15493
 State departments of education—
 personnel directory, 6178
 publications, guide, 6185
see also names of substances or objects tested.
 Testing apparatus:
 calibrating ultrasonic test equipment for checking thin metal strip stock, 12832
 fire control technician training, test equipment, trainee's guide, 7023
 Princeton dynamic model track, general description, 7409
 tester automatically checks insulation of conductors in cables, 14369
 tester for study of rolling element bearings, 8448
 Testing laboratories, U.S. Government, directory, 14048
 Tests, *see* types, or names of tests.
 Tetryan fusulinids, *see* Fusulinidae.
 Tetramine, C-14 labeled, absorption and distribution, in relation to use in animal damage control, 4851
 Tew, Ronald K., soil moisture depletion by gambel oak in northern Utah, 4831
 Tew, Roy C., analog-computer study of parasite-load speed control for solar-Brayton system turboalternator, 5258
 Texas:
 bituminous coal resources, 8158
 census of manufactures, 1963, area statistics, 1851
 census of mineral industries, 1963, area statistics, 4298
 climatological data, 3096
 cotton varieties planted in early producing section, 12430
 county business patterns, 175, 14824
 desalting of water supply, potential contribution to future supply, 15328
 District Court, western district, new Midland-Odessa division, create, report, 16235
 east, timber, 1964 harvest, 2323
 electric rate book, 16585
 farms, growth and capital accumulation, polyperiod analysis, 17336
 highway safety study, Operation 66, joint engineering-enforcement project report, 1594
 landings, fish and shellfish, 3934
 livestock and meat industry, price information and market news, 13941
 medical care of old-age assistance recipients, recovery of excess funds accumulated, GAO review, 8145
 mineral industry, minerals yearbook chapter, 6667
 municipal water supply from saline and conventional sources calculating costs, 12645
 postal map—
 eastern section, 5399
 western section, 11698
 precipitation data, hourly, 3401
 radioactivity, airborne, 1952-55, maps, 1802

Texas—Continued
 rice, rough, costs of drying and storing, 15864
 salt domes, survey, 2541
 weather stations, decadal census, 6228
 west, engineering and economic aspects of cotton gin operations, 12542
 see also Tiwa Indians of Texas.
 Texas leaf-cutting ant, *see* Ants.
 Texas Southmost College:
 land purchase by Agriculture Dept.—
 hearings, 16303
 law, 16143
 reports, 13368, 16370
 Textbooks:
 acquisition under ESEA, guidelines, 16513
 schools, and treatment of minorities, hearings, 2045
 Textile fibers, *see* Fibers.
 Textile machinery, census of manufactures, 1963, industry report, 4272
 Textile mills, machinery, fiber and fabric consumption, census of manufactures, 1963, industry report, 4272
 Textiles:
 balloon fabrics, compatibility with ammonia, 4836
 broad-woven fabrics—
 blends and mixtures, current industrial reports, 14826
 finished, preliminary, current industrial reports, 4322, 13387
 broad-woven goods, looms in place Dec. 31, 1965, summary, current industrial reports, 5855
 colorfastness to light, use of standard light-sensitive paper for calibrating carbon arcs used in testing, recommended method, 12981
 cotton typewriter ribbon cloth, Tariff Commission report, 2942, 10110
 dyeing and finishing industry, wage surveys, 2501, 15446
 fabric consumption, census of manufactures, 1963, industry report, 4272
 Federal item identification guides for supply cataloging, supplements, 3292
 flammable fabrics act, amendments of 1967—
 hearings, 12404, 15041
 report, 13825
 fluid treatment and chemical modification, patent classification definitions, 5369
 household fabrics, making flame resistant, 10177
 industry—
 job opportunities for non-whites in North and South Carolina, etc., 13994
 starch use, economic evaluation, 7881
 subcontractors' sales, shorts and seconds, 15723
 USSR, news, 6531
 weaving, how to inspect chart, 9691
 knit cloth for sale, current industrial reports, 5867
 man-made, depth of cut in tariff rates, 6th round GATT trade negotiations, 13354
 man-made fiber broad woven goods, current industrial reports, 3170
 narrow fabrics, current industrial reports, 4334, 5869, 12076
 nonwoven fabrics, bonded fiber and conventional felts, current industrial reports, 4336
 program, unique approach in business, Government relations (address), 10470
 scouring and combing plants, industry wage survey, 15446
 tufted products, current industrial reports, 7481, 16005-6
 woven fabrics, current industrial report, 3169
 see also names of textiles.
 TFE, *see* Polytetrafluoroethylene.

INDEX 1967

- Thailand:
 amity and economic relations treaty, report, 15063
 Army area handbook, 5734
 background notes, 14668
 Cambodia boundary, study, 2883
 economy, basic data, 229
 establishing business in, 13464
 locomotives procured under military assistance program, Defense Department, GAO report, 6380
 mineral industry, minerals yearbook chapter, 8368
 postal services of U.S. Armed Forces, on-site inspection, report, 4505
- Thaler, G. J., algebraic methods for dynamic systems, 2600
- That troublesome transnational technological tiger, 9025
- Thatcher, John W.:
 ferroalloys, 6633
 silicon, 1415
- Thatcher, Robert C., pine sawfly *Neodiprion excitans* Roh., 11104
- Thawing, tests of concretes of various strengths and air contents, 13986
- Thayer, Louis M.:
 nomination, hearing, 10823
 remarks, Oct. 25, 1967, 18094
- Theater, postal service uniform or badge worn in productions, permit use, report, 14975
see also Drama.
- Theater of operations, *see* Combat areas.
- Theaters, *see* Motion picture theaters.
- Theclonae, *see* Butterflies.
- Theirs to reason why, 15940
- Theobald, P. K., jr., minor elements in alluvial magnetite from Inner Piedmont belt, N.C. and S.C., 8172
- Theodolites, manual, use in midcourse navigation, 6905
- Theodore, Augustus J., relief, 326, 620
- Theory of electrostatic planar and spherical probes, 6722
- Theory of stellar spectra, 12975
- Therapeutics:
 experimental therapy, infectious process, USSR studies, 6573
 infusion therapy for patients with deep extensive burns, USSR study, 14275
 radon waters and their uses, USSR study, 8241
- Therapists, *see* Corrective therapists—Manual arts therapists—Occupational therapists—Physical therapists.
- Therapy, *see* Therapeutics.
- Thermal absorption in seeded gases, 12866
- Thermal analysis, *see* Heat.
- Thermal conductivity, *see* Heat transfer.
- Thermal cycling:
 fixture tests bellows reliability through repetitive pressure/temperature cycling, 11448
 stabilizes planar silicon devices, 12902
- Thermal decomposition, *see* Decomposition.
- Thermal distillation of sea water, fundamentals of theory of marine evaporators, 17390
- Thermal energy storage, *see* Energy storage.
- Thermal environment, *see* Environment.
- Thermal expansion, *see* Expansion (thermal).
- Thermal insulation, *see* Insulation.
- Thermal manikins, *see* Manikins (space).
- Thermal protection, materials, sensors to obtain in-flight ablation measurements, 1494
- Thermal radiation:
 black coatings characteristics, effects of simulated space environment, 16980
 production of choriorretinal lesions, study, 10231
 properties, precise determination, procedures, 6921
 property measurement techniques, 9045
- Thermal radiation—Continued
 radiant heat transfer in fuel region of gaseous nuclear rocket engine, 5183
 studies of ablating bodies in ballistic range, survey, 5254
 threshold distances for retinal burns from low-yield nuclear detonations, 69
- Thermal shock:
 resistance for built-up membranes, 15584
 resistance of ceramic coating, increases with intergranular metal phase, 6811
- Thermal stresses, *see* Strains and stresses.
- Thermionic converters, diffusion theory, USSR study, 15390
- Thermionic diodes:
 chemical regeneration of emitter surface increases life, 1445
 controlled power system, development, 1433
- Thermionic emission:
 formation of thermions by emitters, USSR study, 4976
 surface preparations improve, 2633
- Thermionic scanner pinpoints work function of emitter surfaces, 1449
- Thermocouples:
 boiler instabilities due to coupling feed system and subcooled region, 9917
 electrically checked while connected to data system, 6785
 fast response measurement of temperatures in cryogenic gases, study, 6820
 installation in hard-to-get-to places, 6813
 junction locations, accurate depth control provided, 6794
 microminiature, monitors own installation, 1460
 modified, effective from -250° to 5000° F, 2626
 multipurpose instrumentation cable provides integral thermocouple circuit, 8291
 parameters of thermogalvanic couples, USSR study, 1241
 sensing disks for slug-type calorimeters, invention for higher temperature stability, 11482
 thermocouple-flexible cable connector insulator is highly reliable, 8403
 wire size and configuration, effect on internal temperature measurements in charring ablator, 6864
- Thermodynamics:
 data—
 Fortran program for calculation, 15566
 molybdenum carbide and tantalum carbide, 1410
 equilibrium in prebiological atmospheres of C, H, O, N, P, S and Cl, 11426
 freezing point depression and heat capacity of soils, relationships, 8878
 hydrate and freezing processes, 6446
 properties of—
 fluids, calculating from empirical equation of state, 9776
 forsterite and serpentine, 11387
 gases, equilibrium, programs for computing, 9898
 hydrates of beryllium sulfate at low temperature, 9777
 liquid metal solutions in sodium-mercury system, 9910
 lithium-aluminum silicates, 14355
 nitrogen gas, zero pressure, 6636
 nitrogen, seeded with alkali-metal vapor mixture, equilibrium at high temperatures, 16974
 potassium to 2100° K, 16999
 saturated liquid parahydrogen charted for important temperature range, 17928
 solid palladium-silver alloys and other alloys investigated by torsion effusion technique, 17924
 van der Waals fluid in 2-phase region, 11379

Thermodynamics—Continued

- properties related to expansion of 2-component gas, 11449
- relations between thermodynamics, information and thought described, USSR, 1215
- Thermoelectricity:**
 - solar direct-energy conversion systems operating between 1.0 and 0.1 astronomical unit, 6856
 - thermoelectric metal comparator determines composition of metals and alloys, 8387
 - thermoelectric properties of yttrium-groups 5 and 6 binary and ternary compounds, 16867
- Thermography of human dentition, 17357**
- Thermogravimetric analysis, kinetic parameters of 6 ablation polymers, 9896**
- Thermogravimetry, dynamic, effect of inorganic salts on pyrolysis of wood, alpha-cellulose, and lignin determined, 8103**
- Thermoluminescence, see Luminescence.**
- Thermometers, resistance thermometer has linear resistance-temperature coefficient at low temperatures, 6775**
- Thermometry, high temperature, seminar, 129**
- Thermonuclear reactions, see Nuclear reactions.**
- Thermophysical properties of—**
 - low-density phenolic-nylon ablation material, 14377
 - saline water systems, 12643
 - selected gases below 300° K, 6635
- Thermoplastics, see Plastics.**
- Thermosetting plastics, see Plastics.**
- Thermostats, phase transitions, use to improve thermostatic control of instruments, 9924**
- Thermstructural panels, see Panels and paneling.**
- These are yours!, 15815**
- They need to learn, 7878**
- Thibeau, Patrick A., State legislation and regulations involving ionizing radiation, 7093**
- Thinning loblolly pine from above and below, 8095**
- Thiophenes, see Butylthiophenes.**
- Thioscelis, see Microlepidoptera.**
- Third International, see Communist International.**
- Third wave, America's new conservation, 8207**
 - announcement and order form, 10035
- This is Cooperative Extension, 17325**
- This is the Army, 11989**
- This new ocean, history of Project Mercury, 8438**
- Thixotrophy, suspensions, use of hysteresis loop method to study, 10005, 11679**
- Thomas, A. M., drawings of micrometer U-tube manometers, 17040**
- Thomas, Abraham E., soil survey of Grenada County, Miss., 11805**
- Thomas, Albert, memorial services, 246**
- Thomas, Charles M., African national developments, 4154**
- Thomas, Danny, in dramatic motion picture about medical self-help training, announcement of if disaster strikes, 15077**
- Thomas, David F., jet shoes, extravehicular space locomotion device, 8453**
- Thomas, John R.:**
 - analysis of 15 μ infrared horizon radiance profile variations over range of meteorological, geographical, and seasonal conditions, 8418
 - location of reference horizons in earth's horizon radiance profile, 9802
- Thomas, Mary F., relief, 7642, 12349**
- Thomas, Ronald L., turboalternator speed control with valves in 2-spool solar Brayton system, 5257**
- Thomas, Rose, relief, 606, 7622**

- Thompson, Charles J., sulfur compound characterization studies on high-boiling petroleum fractions, 2583**
- Thompson, Clark S., response of migrating adult salmonids to orifices, etc., 14066**
- Thompson, Fletcher, contested election, dismissal, etc., report, 12270**
- Thompson, J. F., aerodynamic characteristics for cone-cylinder-frustum-cylinder configurations, 9804**
- Thompson, John W.:**
 - addresses, etc.—
 - June 1, 1966, 12459
 - Nov. 16, 1966, 4703
 - economic aspects of unhairing hides at packinghouse, 11934
- Thompson, M. C., jr., atmospheric errors in microwave azimuth measurements, 2224**
- Thompson, William C., dynamic model investigation of rough-water landing characteristics of spacecraft, 9871**
- Thompson, William H., transportation factors in marketing soybeans, cottonseed, and their products, 16546**
- Thompson, William M., jr., investigation of response of scaled model of liquid-propellant multistage launch vehicle to longitudinal excitation, 11522**
- Thompson, William W., jr., job printing shop, 15731**
- Thompson, Cape, euryhaline copepod genus Eurytemora in waters, 6943**
- Thoreau, Henry D.:**
 - 5-cent commemorative postage stamp—ceremony (remarks), 14611
 - poster, 11693
- Thorium:**
 - fuels for heavy water organic cooled reactor, evaluation, 5764
 - geologic controls affecting amount in monazite, 17826
 - uranium and thorium-bearing minerals, glossary, 17819
- Thornton, Henry T., jr., field sonoscope tests of concrete, 10-year summary of results, 7934**
- Thornton, Robert L., high school topic 1967-68, selected excerpts and references, 10698**
- Thornwall, Joseph C., solid-state wide-range low power camera timer for space applications, 5240**
- Thorpe, Merle L., production of superheated hydrogen plasma using induction heating of cold plasma and DC plasma enhancement, 5166**
- Thorsen, Kenneth N., Miller Freeman, fishery research of U.S., 11076**
- Thought:**
 - processes, physico-chemical modeling, USSR study, 1272
 - relations between thermodynamics, information and thought described, USSR, 1215
- Thousand partnerships, 4722**
- Three-axis attitude and direction reference instrument has only one moving part, 6806**
- Three-body problem:**
 - restricted—
 - applicable to new Lie series method of numerical integration of ordinary differential equations, 9877
 - of celestial mechanics, periodic solutions, 9813
 - plane circular, closed collision paths, 9922
 - stellar, application of Krylov-Bogolubov method to solution, 2695
- Three dimensional analysis of tangential yo-yo despin device on rotating body, 6888**
- Three-phase inverters, see Inverters.**
- Thresher (U.S.S.):**
 - civilians who lost their lives aboard submarine, furnish memorial headstones or markers, hearing, 715

INDEX 1967

- Throat, diseases, incidence in 400 space and test pilot candidates, 14781
- Thrust:
- ablative-material thrust chambers as components of storable-propellant rocket engines, evaluation, 15555
 - augmentation characteristics of jet ejectors, 10290
 - bounded magnitude, use of impulsive solution in optimum trajectory problems, 12963
 - device measures reaction engine thrust vector deviations, 6804
 - high, Jupiter round-trip trajectories, 5233
 - low, interplanetary vehicles, celestial-inertial navigation, error analysis, 8424
 - vector control, proportional solid propellant secondary injection, 2604
- Thrust axis, control during planar ascent from lunar surface to circular orbit by manual method, 1490, 14449
- Thrusters, subliming-solid-propellant thruster systems for attitude control of spacecraft, performance, 6884
see also Ion thrusters.
- Thallium trichlorides, heats of formation, 6683
- Thunderstorm:
- circulations and turbulence studies from aircraft and radar data, 10966
 - left moving, Apr. 23, 1964, study, 10963
 - motions, heights, and circulation, notes, 6221
 - turbulence in clear air, 6222
- Thurston, Charles H., relief, 793, 9259, 13501, 13566
- Thyroid gland, pathological effects of thyroid irradiation, 11029
- TIAS series, 1634-42, 2885-2935, 3978, 5532-52, 7151-93, 8723-50, 10100-104, 11833-874, 13144-154, 14683-689, 15765-804, 17227-249, 18233
- TIB series, 15743
- Tibet, central, vegetation, Chinese studies, 6558
- Ti-chih lum-p'ing (Chinese periodical): translation, 1161
- Ticks, eradication activities, 1966 report, 18
see also Fowl ticks.
- Tidal waves, *see* Tsunami (tidal wave).
- Tide of fortune, 17907
- Tides:
- current charts, Charleston Harbor, S.C., 14874
 - current tables—
 - Atlantic Coast of North America, 215, 16086
 - Pacific Coast of North America and Asia, 16087
 - FORTTRAN program for calculation of hourly values of astronomical tide, etc., 9428
 - tables—
 - central and western Pacific Ocean and Indian Ocean, 14875
 - Europe, west coast of Africa, and Mediterranean, 12120
 - North and South America—
 - east coast, 12119
 - west coast, etc., 7555
 - tide observers in seismic sea water warning system, wave reporting procedures, 4412
 - Tidewaters, *see* Tides.
- Tilbury, R. S., activation analysis with charged particles, 1793
- Tiles, wood-brick, for paneling, 14133
- Ti-li chi-k'an (periodical): translations, 1317
- Ti-li hsueh-pao (periodical): translations, 1274, 4943
- Ti-li-hsueh tzu-liao (periodical): translations, 1312
- Tillage, alluvial soil in sugarcane area of Louisiana, deep-tillage investigations, 1672
- Tillamook County, Oreg., Bureau of Land Management project, analysis of 2 logging road standards, 11118
- Timber:
- allowable cut, computer program for calculating by area-volume check method, 8080
 - black walnut, planting for timber, 32
 - California, timber volume, and commercial forest area, 4859
 - damage from drainage at wetland road crossings, 14097
 - farm timbers, preservative treatment, 10165
 - Federal, need to resolve differences in procedures used by management agencies in appraising timber offered for sale, Forest Service, Indian Affairs Bureau, and Land Management Bureau, GAO report, 4871
 - herbage-timber, differences in relationships between thinned and unthinned ponderosa pine stands, 2316
 - Maryland resources, 17808
 - national forest—
 - buying, 11103
 - sale accomplishments, 9531
 - story of a sale on a national forest, 15868
 - national survey cost limit, increase ceiling, report, 10749
 - North Carolina, resources, survey, 2338
 - owner and his Federal income tax, 10161
 - plantation timber, 1965, on island of—
 - Hawaii, 4858
 - Kauai, 16665
 - relationship between timber and cattle production on ponderosa pine range, Wild Bill Range, 16652
 - southeastern area, State and private forestry, 17798
 - stumpage prices for sawtimber sold from national forests (periodical), 3909
 - Texas, eastern, 1964 harvest, 2323
 - tract development, planning, 11137
 - Virginia's timber resources, survey report, 15290
 - young-growth stands, slash and litter weight after clearcut logging, 8087
- Timberlands, Louisiana pine plantations, fertilization uneconomic for forage improvement, 14117
- Time:
- integration of control equations and problem of small time constants, 8505
 - leisure, and computer, crisis of modern technology (remarks), 5799
 - notation, strip chart recorder, technique, 12912
 - variant data analysis, automatic system, 4748
see also Hours of labor.
- Time deposits:
- and financial flows, 4791
 - and savings deposits, changes, 11049, 14039, 16589
 - higher reserve requirements, extend act—
 - hearings, 17595
 - law, 17541
 - report, 13816
 - insured banks, temporary ceilings on interest rates, report, 648
- Time-optimal response of feedback control systems by means of discontinuous rate compensation, 16898
- Time series:
- computer programs perform spectral analyses of up to 7 time series, 2661
 - economic, X-11 variant of census method II seasonal adjustment program, 5902
- Time signals standard service provided by NBS stations WWV, WWVH, WWVB, and WWVL, 12979

- Timers:**
dutiable status of imports from insular possessions, amend tariff schedules—law, 509
report, 911
ordnance, symposium, proceedings, 104
solid-state wide-range low power camera timer for space applications, 5240
- Timing devices, see Timers.**
- Timisoara, Rumania, center for technical research, activities, 1191**
- Timmins, A. R., effectiveness of systems tests in attaining reliable earth satellite performance, 2697**
- Timmins, Merrill S., jr., fire resistant construction of home, farm buildings, 15849**
- Timmons, C. O.:**
effect of liquid structure on contact angle hysteresis, 9987
study of adsorption of carbon-14 labeled stearic acid on iron, 14595
- Timmons, Durward E., instrumentation for isokinetic air sampling at altitude, 67**
- Tin:**
alloy sheet, uniaxial and biaxial fracture toughness, 11552
mineral industry surveys, monthly, 3935
minerals yearbook chapter, 2591
tin-lead solders and solder joints, tests, 11388
- Tinker Air Force Base, employees, relief, 296, 565, 813**
- Tintle Valley, geologic interpretation of gravity and aeromagnetic maps of area, 8164**
- Tip moths:**
heavy attacks reduce early growth of loblolly and shortleaf pine, 14120
Nearctic parasites of genus *Rhyacionia*, key, with species annotations, 16649
ponderosa pine, description, control, etc., 4820
- Tip turbine fans, see Turbine fans.**
- Tiphia, see Wasps.**
- Tiphidae, see Wasps.**
- Tippah County, Miss., soil survey report, 1612**
- Tippin, Robert B., heavy liquid cyclone concentration of minerals, 12822**
- Tips, guide to placement of NYC enrollees with epilepsy, 2488**
- Tips (monetary), see Gratuities.**
- Tires:**
automotive—
manufacture and distribution, economic report, 4798
savings through use of formal advertising in contracting by GSA, GAO report, 9357
cord and fabrics, current industrial reports, 3170
excise tax, impose at manufacturer-owned retail outlet—
law, 360
report, 2094
Federal item identification guides for supply cataloging, supplements, 3285
pneumatic—
and solid, Federal item identification guide, 10896
fore-and-aft stiffness characteristics, 16919
inner tube, Federal item identification guide, 15185
performance on soft soils, dimensional analysis, 16527
pressure distribution curves applicable to, experimental study, 11401
tire research related to safety (lecture), 9946
used motor vehicle, rebuilding by civil agencies, GAO review, 14162
- TIROS (television infrared observation satellite), see Satellites.**
- Tison, James C., jr.:**
address, June 16, 1967, 12116
- Tison, James C., jr.—Continued**
photogrammetric research work on Gulf Stream, 5941
- Tissue cultures:**
cell tissue and organ culture, 2d decennial review conference, 18172
interaction between polyoma virus and cells of animal tissues in culture, USSR study, 6543
- Tissue paper, see Facial tissue.**
- Tissues:**
amines, alterations by toxic decaborane-14 and pentaborane-9, modified by hydrazines and propynylamines, studies, 7357
antigens, changes during process of experimental carcinogenesis, 1156
living, effect of chemically inert gases on oxygen consumption, 5708
oxygenation during hemorrhage in dogs breathing 1 and 3 atmospheres of oxygen, 15895
postmortem, and fibrinolytic blood, procurement and utilization, 11289
transplantation, experimental, USSR studies, 9643
- Titanium:**
alloy sheet, uniaxial and biaxial fracture toughness, 11552
alloys—
chemical milling solution reveals stress corrosion, 16957
inaqueous environments, crack propagation, delayed failure, and residual static strength, 6872
initial load and exposure to moderately elevated temperature effect on room-temperature fatigue life of Ti-8Al-1Mo-1V sheet, 14464
nitrogen alloys, electrorefining, 2582
oxygen alloy system and titanium chlorides in molten sodium chloride, reaction rates, 14359
salt water stress-corrosion cracking characteristics, 17091
Soviet research, 1162
stress-corrosion cracking of Ti-6Al-4V alloy in methanol, 6900
Ti-8Al-1Mo-1V (duplex-annealed) specimens having various widths, fatigue crack growth, investigation, 8494
Ti-8Al-1Mo-1V simulated wing structure, fusion welded, fatigue behavior, 16995
degreasing, to minimize stress corrosion, 11476
identification marking, Federal standard, 8008
ingot and mill products, current industrial reports, 3169
mineral industry survey, quarterly, 3936
minerals yearbook chapter, 8380
sandwich construction, edgewise compressive properties at elevated temperatures, 8102
tanks, stress corrosion failure retarded with glass bead shot peening, 14413
titanium and alloys produced with electrolytic methods, 2579
- Titanium chlorides, titanium-oxygen alloy system in molten sodium chloride, reaction rates, 14359**
- Titanium hydride, aluminum-titanium hydride-boron carbide composite provides lightweight neutron shield material, 16878**
- Titrimetry, see Volumetric analysis.**
- Titus, Joan B., subject index, etc., of technical conference papers on plastics, 981, 17702**
- Tlwa Indians of Texas, recognize as band of American Indians, report, 14967**
- To care for him who shall have borne the battle (medical care of veterans), 12318**
- To choose or not to choose, 17298**
- To grow the 2d blade of grass, 17332**

To the first Americans, report on Indian health program of Public Health Service, 11761

Tobacco:
 acreage allotments—
 facilitate computation—
 law, 17551
 reports, 15127, 16274
 lease and transfer, remove limitation—
 hearings, 10624
 law, 12183
 reports, 10573, 13803

burley—
 acreage-poundage referendum, 5677
 light air cured, market review, 1966, crop, 13888

child labor use in Kirgiz tobacco fields, USSR article, 1172

commercial farms, costs and returns, North Carolina, Coastal Plain, 13943

crop summary, 3938

fire-cured and dark air-cured, market review, 1966 crop, 10877

fire-cured, etc., acreage allotments, and acreage-poundage quotas, transfer—
 hearings, 10624
 law, 13532
 reports, 10574, 13804

fine-cured—
 market review, 1966 crop, 9354
 referendum, 14758

foreign agriculture circulars, 3345

loose leaf and acreage allotments, hearing, 2038

Maryland—
 acreage-poundage quotas, transfer—
 hearings, 10624
 law, 9036
 reports, 7666, 7782
 light air-cured, market review, 1966 crop, 15177

mosaic virus, problem of possibility of infecting animal cells with ribonucleic acid, USSR study, 6486

production, marketing, etc., in U.S., 1706

products, excise tax exemption by IRS for certain consumers, GAO review, 9554

statistics—
 annual report, 7302
 summary, 6453
 stock report, 3940
 tax guide, 3941, 4919, 11226, 15338, 16724

tobacco and tobacco products, trade and tariff information, summaries, 7203

tobacco-livestock, commercial farms, costs and returns, Bluegrass area and Pennyroyal area, Ky.-Tenn., 16490

tobacco situation (periodical), 3939

Tobacco budworms, *see* Budworms.

Tobacco Cooperative Stabilization Corporation, Fine-cured, *see* Fine-Cured Tobacco Cooperative Stabilization Corporation.

Tobago, *see* Trinidad and Tobago.

Tobias, Jerry V., table of intensity increments, 136

Tocco, Giuseppe, relief, 12220, 13478, 13736

Today's science, tomorrow? (remarks), 135

Todd, E. L.:
 neotropical agarinist moths (Lepidoptera: Noctuidae), 5312
 noctuid moths of American genus *Euscaptis* Hübner, 5306

Todd, Jame A., jr., relief, 343

Todd, Ruth:
 recent Foraminifera from Gulf of Alaska and southeastern Alaska, 12614
 smaller Foraminifera from Guam, 1119

Togo:
 amity and economic relations, treaty, 8743
 labor conditions, 2518

Tollet articles, Federal item identification guides for supply cataloging, supplements, 3292

Tollet howls, trim for water-closet howls, standard of trade, 5287

Tollet paper, suitability of Appalachian woods for sanitary tissue, 8100

Toiletries, *see* Toilet articles.

Tokio, Takasi, Pacific tunicata of United States National Museum, 9950

Tokyo, Japan, U.S. trade center, 12654

Tolbutamide, influence on cholinesterase activity of digestive tract, Rumanian study, 1261

Toledo, Ohio, area wage survey, 11321

Tolerance (engineering):
 copper and copper base alloy mill products, Federal standard, 2268, 16601
 pressure probe compensates for dimensional tolerance variations, 6764

Tolland County, Conn., soil survey report, 7138

Tolles, N. Arnold, post-layoff experience of displaced carpet-mill workers, 1860

Tolls:
 Montreal/Lake Ontario section, St. Lawrence seaway, agreement with Canada, 11872
 relationship to Federal-aid highway program—
 hearings, print additional copies, report, 643
 report, 14989

Tomatoes:
 plants, variations in respiration process during gamma radiation, 8511
 use of ozone in ripening rooms, 5

Tombstones, civilians who lost their lives aboard U.S.S. Thresher, furnish headstones or markers, hearing, 715

Tompkins, Stephen S., parametric study of low-density charring ablator, 2713

Tones, reproduced photo, slide rule-type color chart predicts, 11436

Tonga Islands, *Geniostoma*, description, title page and index, 17048

Tonto National Monument, general information, 11618

Tooele County, Utah, geologic interpretation of gravity and aeromagnetic maps of Tintic Valley area, 8164

Tools:
 aircraft maintenance, Army technical manual, 4218
 Marmon clamp installation tool, design, 9860
 sampling tool to extract cores from baled hay or straw for analysis, 13201
 tool and die industry, problems, report, 4514
 welded aluminum jigs and tool structures, heat treatment stabilizes, 2625
 see also Cutting tools—Hand tools—Machine tools—Measuring instruments.

Topographic maps, *see* Maps and charts.

Topography:
 air pollution study, 11739
 lunar, planetary, and solar, Project Tech Top, study, 5163

Topsoil, loss, slows slash pine seedling growth in Florida sandhills, 14119

Tornadoes:
 general description, safety measures, etc., 6230
 safety rules, 7938, 13992
 statistics, 6231
 tornado watch, what it is, how prepared, etc., 4749

Toroidal rings, *see* Rings.

Toroidal shells, *see* Shells (toroidal).

Torphy, Daniel E., effects of short-term bed-rest and water immersion on plasma volume, etc., 7345

Torque:
 bearing, and fatigue life studies with several lubricants, 11509
 measurement of extremely feeble torques on massive bodies, 2696

Torque—Continued

rotor air loads, blade motion, and stress caused by transient inputs of shaft torque as related to stoppable rotor operation, 13308

Torrence Marvin G., concentration measurements of injected gas in supersonic stream, 8489

Torrens, Robert C., hops industry of United Kingdom, 8047

Torres, Rafael P. Martinez, *see* Martinez, Torres, Rafael P.

Torrey, Volta, science and the city, 6432

Torrice, AIC 78 B, lunar chart, 7332

Torsion, *see* Strains and stresses.

Tortricidae, *see* Microlepidoptera.

Torus, superconducting, potential and magnetic moment, in nonaxial uniform magnetic field, 1986

Touche division, *see* Walla Walla project.

Tourism, *see* Tourist trade.

Tourist trade, tourism and recreation, state-of-the-art study, 12937

Tourists, industrial plants offer tours for foreign visitors (remarks), 1959
see also Visitors.

Towelling, suitability of Appalachian woods, 8100

Towels, current industrial reports, 4339-40, 12080, 17435

Tower antenna structures, USSR, 1304

Town, Joseph W.:

batch and continuous-circuit, beneficiation of western phosphate ores, 9781

liberation and concentration of phosphate minerals, etc., 14348

recrystallization of chrome spinel, 9775

Towns, *see* Cities and towns.

Townsend Cromwell (oceanographic ship): cruises, trade wind zone oceanography pilot study, 16627-632

Townshend, Jesse F., Jr., airman, official magazine of Air Force, 3019

Toxicity, *see* Poisons.

Toxicology:

acute hydrazine toxicity in mice, toxicologic studies, 4183

boron hydrides, 7357

hydrazine, effect upon renal blood flow, preliminary study, 11967

manual, USSR, 17882

monomethylhydrazine, effects upon renal function, 15901

new industrial chemicals, USSR study, 11284

radiotoxicological aspects of radioactive contamination, Rumanian study, 2464

Toxins:

Clostridium—

bacteria, effect on hemolytic and lecithinase activity, USSR study, 15388

microbiological studies, 11290

Toya, Theodora, *see* Bezates, Theodora.

TPI, the progress interview, suggestions to help men in management in counseling people about their work, 6373

Trace elements:

agriculture and medicine, USSR studies, 6542

in experimental and clinical medicine, USSR book review, 1344

rock, common types, importance in neutron-induced radioactivity calculations, 1799

trace characterization chemical and physical methods, 12985

see also subject.

Trace hydrazines in aqueous solutions accurately determined by gas chromatography, 15550

Trace levels of metallic corrosion determined by emission spectrography, 6850

Tracer studies:

absorption and distribution of C^{14} labeled tetramine in relation to its possible use in animal damage control, 4851

Tracer studies—Continued

compartments, pools, and spaces in medical physiology, symposium, 15359

ergodic properties of system, 13337

influence of parent and daughter decay on tracer diffusion profiles, 14489

krypton-85, development as universal tracer, final report, 13335

medicine, tracer theory for analysis of whole-system retention data, turnover compartmentalization, 12012

Trachyleberididae, *see* Crustaceans.

Track and field dispute, hearings, 17646

Trackage, Princeton dynamic model track, general description, 7409

critical task for man-machine research related to operator's effective delay time, 1426, 5174

electric drive system, low speed, long term, has zero backlash, 14426

parameter system, human performance measured with version of crossover model, 17944

probability of target lock-on by automatic ranging during automatic search, USSR study, 11283

spacecraft tracking and communication, NASA facts, 16922

system, precision CW laser automatic, investigated, 6791

USSR satellite tracking equipment, description, 9611

vestibular system and human dynamic space orientation, 1428

see also Radar tracking—Infrared Acquisition and Tracking System.

Tracking stations:

agreement with—

Great Britain, 2911, 5536, 8750

Spain, 11833

Antigua, agreement with Great Britain, 8749

facility on island of Mahé (Seychelles), agreement with Great Britain, 11847

Tractor loaders, *see* Loaders (mechanical).

Tractors:

current industrial reports, 3169, 5875-76

except garden tractors, current industrial reports, 16004

farm, demand in United States, regression analysis, 2169

Federal item identification guides for supply cataloging, supplements, 3283

truck tractors, commercial, standard models and special equipment requirement, military standards, 15190, 15192, 15195-196

USSR industrial development, tractor industry, translations, 4015

see also Farm implements and machinery.

Tracy, P. H., layouts and operating criteria for automation of dairy plants manufacturing ice cream and ice cream novelties, 1702

Trade, *see* Commerce—Retail trade—Service trades—Wholesale trade—also names or classes of commodities.

Trade agreements, *see* Commercial treaties.

Trade centers:

U.S., Frankfurt, London, Milan, Stockholm, Bangkok, Tokyo, 12654

U.S., Stockholm, Sweden, Mar. 30-Apr. 7, 1967, 4921

Trade expansion act of 1962, *see* Commercial treaties.

Trade fairs, *see* Fairs.

Trade marks, *see* Trademarks.

Trade missions, sell your products with business proposals carried abroad by U.S. trade missions, 6466

Trade Negotiations, Office of Special Representative, *see* Special Representative for Trade Negotiations.

Trade policy, *see* Commercial policy.

INDEX 1967

- Trade practices:
 medical restraint of trade act, hearings, 17661
 rules, proposed, 3779
 unfair, affecting producers of agricultural products, control—
 hearings, 10800
 report, 15086
- Trade unions, *see* Labor unions.
- Trade wind zone oceanography pilot study, Townsend Cromwell cruises, etc., 16627-632
- Trademarks:
 cases, appeals, amend U.S. Code, report, 877
 code of Federal regulations, 9477
 decisions, weekly, 3650
 decisions, yearly, 1966—
 departmental edition, 8606
 document edition, 7597
 index, 10021
 international cooperation imperative (address), 5370
 law, revision, subcommittee work, reports, 9285, 13789
 lists, in official gazette, 3650
 publications, price list, 5418
 questions and answers, 14602
 trademark reform legislation on international and national level (address), 14604
 U.S. customs information, 10884
- Trades, *see* names of trades and types of workmen.
- Tradesman, 1 & C, Navy training course, 11665
- Trading with the enemy:
 act, amend, hearing, 741
 administration of act, investigation—
 extension, report, 4622
 report on findings, 13831
- Traffic:
 accuracy of traffic assignment when using capacity restraint (paper), 5478
 carload waybill statistics, 1964, commodity classes, 6473
 international maritime, convention on facilitation, report, 6065
 piggyback characteristics, 8233
 St. Lawrence Seaway report, 8673
 traffic systems, research and development, program review meeting, proceedings, 11767
see also Air traffic—Transportation.
- Traffic control, *see* Air traffic.
- Traffic decisions, *see* Interstate Commerce Commission.
- Traffic safety, *see* Safety of life.
- Trailblazer, *see* Rockets.
- Trailers:
 cargo trailer, rigging for airdrop, 15949
 current industrial reports, 3169
 District of Columbia registration, facilitate addition of name of spouse of owner—
 law, 12178
 reports, 13640, 12382
 Federal item identification guides for supply cataloging, supplements, 3285
 house, and mobile dwellings, uniformed services members, provide transportation costs, amend U.S. Code, reports, 629, 657
 irrigation pipe trailer, farm building plan, 1707
 M101, $\frac{3}{4}$ -ton cargo trailer, rigging for airdrop, technical manual, 8888
 piggyback, heavier loading for watermelons, damage and cost reduction study, 10154
 temperatures, relative humidity, and atmosphere composition in trailer loaded with lettuce, 15825
 truck, current industrial reports, 12082
- Trails:
 for America, report on nationwide trails study, 5367
- Trails—Continued
 nationwide system, establish, hearings, 9320, 10657
- Trainee's guide for electronics technicians, class C, AN/SRC-20, AN/SRC-21, radio sets, 8582
- Traineeships:
 grants for advanced training of allied health professional personnel, law, 463
 professional health personnel under public health program, 15713
 Public Health Service awards, 1966 funds, 7086
- Training:
 afloat training guide, Naval Reserve Fleet Divisions, etc., 7017
 cuing techniques, 15635
 community work and training program, message from the President, 7606
 enactments, 89th Congress, 2d session, 6121
 Federal employees, task force report, 7046
 annex, 10030
 Government employees training act, 1958, implementation, effectiveness, report, 10619
 homemaker-home health aide in personal care, 15714
 laws, text, 6122
 major programs providing Federal funds for employment and training, 17416
 manpower development and training act—
 amendments of 1966, law, 496
 as amended, resources, utilization, etc., 1550
 earnings mobility of MDTA trainees, 11296
 good training, good jobs, MDTA Detroit Skills Center, 16500
 handbook chapter, training project development, 15221
 report of Secretary of Health, Education and Welfare Dept., 9578
 summary, 6594
 medical, in Veterans Administration, major contribution to Nation's health resources, 8782
 medical training costs too much, 10934
 methods in vocational rehabilitation services, report, 11893
 needs of States and local governments in water pollution control, report, print as Senate document, report, 16362
 northwest training centers and programs, provide central location, hearings, 15156
 oceanographic and hydrographic systems, 11670
 Peace Corps advance training, program for college juniors, 5373
 personnel, PACAF basic bibliographies, 10230
 professions, opportunities for women, selected readings, 1669
 programs, impact on public assistance caseloads, 3406
 Public Health Service grants, 1966 funds, 7086
 team training, 18109
 training and demonstration projects, 2973
 training and technology (TAT) in Tennessee, see, new skills for underemployed, 16792
 work experience and training program for unemployed, 12482
see also Education—Employees training—
 Military education—Naval education—
 Vocation education—also subjects.
- Training aids, *see* Training devices.
- Training Center, Financial Management and PPBS, *see* Financial Management and PPBS Training Center, CSC.
- Training devices:
 and aids, Federal item identification guides for supply cataloging, supplements, 3293

- Training devices—Continued**
 guide, Naval Training Device Center, 8600 revised pages, 13639
 naval training equipment and individual differences, study, 9980
 tactical decision making skills, generalized, research, 9982
 training devices developments (Navy periodical), 18115
- Training Materials and Aids Committee, Institute on Rehabilitation Services, report, 11893**
- Training of employees, see Employee training.**
- Trains, see Railroads.**
- Traits of character, see Character.**
- Trajectories:**
 analysis, papers, compilation, 12881
 atmospheric, of 413 precisely reduced photographic meteors, analysis, 18204
 ballistic, minimal energy, for missions to Mercury, 9886
 ballistic reentry, at velocity of 50,000 f.p.s., 12932
 endpoint problems, computer program for mass optimal solutions, 16953
 Jupiter high-thrust round-trip, 5233
 lunar, minimum fuel ascent from surface, 16994
 meteoric, automatic-reduction procedure for photographic data, 15510
 optimal, explicit solution for Lagrange multipliers on singular subarc, 16982
 optimal, treating with restricted segments, 9805
 optimization for Apollo-type vehicle under entry conditions encountered during lunar return, 9919
 optimum, problems, with bounded thrust magnitude, use of impulsive solution, 12963
 optimum transfer, between 2 terminal points for minimum initial impulse under arbitrary initial velocity vector, 1427
- PRESTO, program for rapid earth-to-space trajectory optimization, 5157, 5178A**
- PRESTO II, digital computer program for optimization, 6717**
- RONDOVU/PRESTO, program for rendezvous mission optimization, 5179**
- round-trip, to moons of Jupiter, 18017**
- space trajectories program for IBM-7090, 15524**
- space vehicle flight control systems, analysis and design, equations, 12872**
- STOP, computer program for supersonic transport optimization program, 11415**
- use of Jupiter gravity turns for tailoring trajectories to Saturn with consideration of launch opportunities, 2692**
see also Lagrange multipliers.
- Tran Van Nguyen, relief, 13774**
- Tranquility, Calif., early skeletons, 1531**
- Trans World Airlines, Inc., aircraft accident, 4370**
- Transcribers, confidence in relation to accuracy, 5751**
- Transducers:**
 dynamic-pressure, system enables more complete calibrations, 9854
 electromechanical pressure, performance-testing, methods, 6923
 force, resonance, damper reduces effects, 5216
 heat flux, long duration, theory, etc., 6777
 measures embedment stresses in electronic modules, 17978
 piezoelectric, mechanical and electrical checkout while installed in system, 2658
 pressure, automated tester permits precise calibration from 0 to 1050 psi, 15493
 respiration rate, for aircraft environments, development, 18044
- Transducers—Continued**
 strain gage pressure, life cycling test, 18083
- Transformations (mathematics):**
 discrete finite Fourier transforms, tutorial approach, 15638
 group method, utilized in solid propellant rocket motor performance computer programs, 1483
- Transformers, see Electric transformers.**
- Transient analysis generator (TAG) simulates behavior of large class of electrical networks, 16954**
- Transistors:**
 and silicon controlled rectifiers used by pulse generator produces high current pulses with fast rise and fall times, 1455
 computer program searches characteristic data, 2654
 field effect—
 equivalent circuit for computer simulation, 6644
 improve buffer amplifier, 17961
 insulated gate, multiplexer uses, 18001
 micropower logic circuits, improved, 14461
 one-transistor circuit boosts pulse amplitude, 1464
 space radiation equivalence for effects on transistors, 14380
 transistor biased amplifier minimizes diode discriminator threshold attenuation, 16883
- Transit systems, see Local transit.**
- Transition elements, in ultra pure alkali metals, solubility studies, 1424**
- Transitions:**
 boundary-layer, on cooled 7.5° total-angle cone at Mach 10, 18021
 fixing for hypersonic flow, 18011
- Translating machines, scientific documentation sponsor by NSF, price list, 6916**
- Translations:**
 medical, bibliography, annual index, 14526
 National Institutes of Health—
 index, 1966 supplement, 15700
 library, selected list, 3809
 neural sciences, bibliography, 17137
 price lists, selective bibliography of Government translations, lists, 1933
 special foreign currency science information program, 1967 list in process, 7551
 supplement, 17464
 technical, National Aeronautics and Space Administration, 5276-77, 6911-12, 8509-512, 9920-28, 11560-573, 12972-976, 14500-504, 15582, 17017, 18057
 technical translations, bibliography (periodical), 3933
- Translator program converts computer print-out into Braille language, 11441**
- Transmission lines, see Electric lines.**
- Transmissions:**
 atmospheric, of infrared radiation from 2.5 microns for slant paths from 35,000 ft. to upper limit of atmosphere, survey, 12931
 helicopter, using solid lubricants, investigation, 8897
 quantum effects in information transmission systems, 18057
- Transmittances, infrared spectral, of inhomogeneous gases, calculation, 5218**
- Transmitters, VHF-UHF, dual-channel, for Gemini experiment D-14, 10004**
- Transonic flow, see Flow.**
- Transpiration cooling, see Cooling.**
- Transplantation (physiology):**
 organs and tissues, experimental, USSR studies, 9643
- Transplants, see Grafting (physiology).**
- Transport aircraft, see Aircraft.**
- Transport airplanes, see Airplanes.**
- Transport equations, see Equations.**

INDEX 1967

- Transport of electrolytes through membrane systems, 15332
- Transport properties:
 - high temperature gases, experimental determination, 11412
 - ionic transport of polystyrenesulfonate model membranes, 9592
 - radiation transport and biological effects, special sessions, proceedings, 13314
 - wicks, vapor-chamber fin studies, 14379
- Transport vehicles, *see* Vehicles.
- Transportation:
 - agricultural cooperative, issuance of certificates of exemption on application and proof of eligibility, hearings, 947
 - air—
 - and water, south-central Alaska, 1964 earthquake effects, 12609
 - Army transport operations, 11986
 - integrated program of movement of persons on ground, in terminals, and through air (remarks), 8974
 - provided by Defense Dept. for dependent children of personnel, GAO review, 9545
 - regulate and promote (address), 8968
 - supplies and equipment, external-transport, procedures, Army technical manual, 8894
 - United States, today and tomorrow (address), 7523
 - airlift and sealfit to South Vietnam, report, 10809
 - Alaska earthquake, Mar. 27, 1964, effects on transportation, communications, and utilities (series), 6402, 12609
 - allowances, uniformed services members for dependents' schooling—
 - hearings, 10636
 - reports, 10569, 12243
 - Army regulations, 4194, 14790
 - busing school kids to suburbs, 10928
 - census 1963—
 - commodity transportation survey—
 - commodity groups, 1856, 7472
 - shipper groups, 1855
 - shipper groups and production areas, 7473
 - final volumes, 1855-56, 4302, 7472-73
 - motor carrier survey, 4302
 - passenger transportation survey, 10343
 - civilian personnel, temporary duty, general information, etc., handbook, 6143
 - code of Federal regulations, 6296, 9484-85, 11047
 - commodity classification for transportation statistics, 13352
 - coordination of unlike modes, under Federal aviation act (remarks), 1898
 - costs of transporting food donated for overseas distribution, GAO review, 9550
 - defense depot, procedures, manual, change, 6145
 - defense, Military Traffic Management and Terminal Service, 16731
 - defense traffic management handbook, 10889
 - change, 6142
 - economics, monthly comment, 3973
 - index, 9605
 - factors in marketing soybeans, cottonseed and their products, 16546
 - Federal agencies, GAO guidance manual, 3370
 - high speed ground, research and development, report of panel, 13469
 - highway, task and study statements of national program for research and development, 8664
 - House Members, provide reimbursement of expenses—
 - law, 17540
 - reports, 14968, 15138
 - household goods, savings on volume movements from overseas to continental U.S., Defense Dept., GAO report, 8138
 - Transportation—Continued
 - HUD's urban programs help urbanites move into 21st century, 17837
 - industry, growth and prosperity vital for all (remarks), 1951
 - inter-modal system, containerization concept for moving shipments (remarks), 7968
 - international traffic of radioactive materials, 7432
 - international waterborne, convention of Mar del Plata, report, 6065
 - laws, compilation, 1990
 - lines—
 - Atlantic, Gulf, and Pacific Coasts, 13984
 - Mississippi River system and Gulf Intracoastal Waterway, 2219
 - liquefied hydrogen and helium, USSR study, 15403
 - marketing and transportation situation, 3543
 - mass transit, subsidy proposal for District of Columbia, hearing, 12293
 - migratory birds, 1967-68 Federal regulations governing, 16623
 - Alaska, 14061
 - military standard transportation and movement procedures, training program guide, 1763
 - milk, bulk and packaged, costs of transporting by truck, 8836
 - MILSTAMP, military standard transportation and movement procedures, introduction, 6150
 - MILSTEP, military supply and transportation evaluation procedures, 13925
 - NASA's mammoth transportation problems, rockets, etc., 9932
 - National Capital transportation act of 1965, amend, hearings, 15021
 - national policy (remarks), 8973
 - Northeast Corridor project, design for impact studies, 1938
 - ocean, faces challenge at home and abroad (remarks), 238
 - publications, price list, 10038
 - railroads—
 - computer engineering, USSR study, 1173
 - meteorological servicing, USSR study, 1182
 - recent trends (remarks), 236
 - schoolchildren in D.C., reduced fare, increase age, report, 16380
 - shifting emphasis and its implications for research (remarks), 4451
 - sick and wounded, Army field manual, 100
 - State and regional defense airlift planning, change, 9447
 - statistics in United States, annual report, 3974, 4929, 8236, 12657, 16729
 - systems, benefit-cost analysis, 1525
 - transportation proceedings (periodical), 7407
 - transportation series, Engineer Corps, 2219, 13984
 - troop movement guide, Army technical manual, 17387
 - urban mass, study, expenses, reports, 4594, 4625
 - urban mass transportation act of 1964, emergency provisions, temporary extension—
 - law, 13522
 - reports, 12388, 13634
 - urban mass transportation amendments of 1966, reports, 620, 628
 - urban, need for improvement (remarks), 9583
 - urban public, selected references, 2385
 - urban, trip generation analysis, guidelines, 15718
 - urbanized area planning programs, directory, 17175
 - USSR, translations, 3972
 - worldwide cargo transportation costs guide, Army Dept. pamphlet, 17380

Transportation—Continued
 your business partner, transportation (remarks), 9751
 see also Air carriers—Carriers—Local transit—Motor carriers.
 Transportation analysts, career opportunities with Civil Aeronautics Board, 17448
 Transportation Department:
 appropriations, 1968—
 amendments, 10521
 hearings, 12286, 16389
 law, 17557
 reports, 13666, 16373
 budget, 1968, amendments, 10513, 16350
 creation and functions (remarks), 1962
 establish—
 law, 389
 remarks, 1952
 report, 906
 natural gas pipelines, prescribe safety regulations, hearings, 16403
 organization and functions, 17264
 possible impact on air transport (address), 17449
 report on highway safety standards, 15048
 Secretary, nomination of Alan S. Boyd, hearing, 9310
 transfer certain functions relating to ship mortgages to—
 hearings, 9159, 10849
 message from the President, 7598
 Transportation of school children, see Transportation.
 Transportation tariff examiners, examination announcement, amdt., 1915
 Transportation Workers Union of America, AFL-CIO, emergency board report, 4724
 Transuranium elements, scientific research, dedication of new facilities at ORNL (remarks), 1815
 Transuranium Processing Plant, dedication (remarks), 1815
 Transuranium Research Laboratory, dedication at ORNL (remarks), 1815
 Trap nests, see Nests.
 Traps, see Insect traps—Pollen traps.
 Traumas, see Injuries.
 Traumatism, conference on trauma, report, 7087
 Travel:
 allowances, uniformed services members for dependents' schooling—
 hearings, 10636
 reports, 10569, 12245
 Army military personnel, dependents to overseas areas, information, Army pamphlet, 1765
 Army regulation, 4194, 14790
 authorization, Agriculture Committee, House, report, 12281
 bright future of Pacific travel as foundation for bringing peace, order, and progress to world (remarks), 9022
 civilian personnel, temporary duty, general information etc., handbook, 6143
 controls, report, 688
 directions, U.S.A., entry travel, shopping, etc.—
 German edition, 15814
 Portuguese edition, 15813
 expenses—
 applicants for Federal employment, hearing, 17602
 Government employees on official business, increase allowances, hearing, 16331
 payment for Foreign Service, etc., employees in high-risk situations, 10768
 rules for deducting from income tax, 2410
 health information—
 Asia, etc., Australia and New Zealand, 13078
 Europe, 13079
 Mexico, Central and South America, and Caribbean, 13080

Travel—Continued
 industry growth (address), 9009
 international travel to America, promoting (remarks), 16109
 international visitors to U.S., pilot tours, 11888
 interstate or foreign, to incite riots, penalties, amend U.S. code—
 hearings, 15165, 16119
 reports, 12282, 13664
 joint regulations—
 Defense Department civilian personnel, 3456
 uniformed services, 3455
 market survey, travel to United States from—
 France, 5580
 Mexico, 5581
 United Kingdom, 5582
 West Germany, 5583
 new doors to pleasure through air transportation (remarks), 1900
 new world, see U.S.A., 1658-59
 Pacific area, planning for future expansion (remarks), 8975
 passenger, between U.S. and foreign countries, 3822, 4910, 12633
 regulations, Foreign Service, revision needed to reduce per diem costs, GAO report, 15298
 safety for ocean traveling public and seamen (remarks), 6258
 space, physiological measurements, USSR study, 8243
 trip generation analysis, guidelines, 15718
 United States, travel a new world, see U.S.A., map, 13170
 Traveler/El viajero, quarterly newsletter for migrant and seasonal farm workers, 7879
 Travelers, you can assist balance of payments, 11887
 Travertine, see Calcium carbonate.
 Travieso y Perez, Lucio A., relief, 12342, 16213, 17514
 Trawls and trawling, trawl nets, North Atlantic, 15256
 Traylor, Harlon D., costs of drying and storing rough rice in Louisiana and Texas, 15864
 Trays:
 ashtrays and lighters for automotive vehicles, Federal standard, 6327
 new overwrapped trays for McIntosh apples, 1674
 Treasure County, Mont., soil survey report, 10089
 Treasures from Cooper Union Museum, 12990
 Treasury bills, department circular, 13166
 Treasury Department:
 appropriations, 1968—
 amendments, 10695
 hearings, 6027, 10806
 law, 13529
 reports, 9097, 10791, 13658
 bulletin, 3976
 code of Federal regulations, 6285
 collection of Confederate records, preliminary inventory, 18074
 customs bulletin, weekly, 3174
 daily statement, 3183
 decisions—
 bound volumes, 2958, 17273
 weekly report, 3977
 department circulars, 2947, 5569, 7207, 8770-72, 10118-119, 13166, 15811, 17266-267
 public debt series, 2948, 5570, 7208, 8773, 13167-169, 15812
 foreign exchange operations, 8003, 16599
 law enforcement agencies, career opportunities, 5575
 management improvement progress, report, 5572
 meeting with officials, hearings, 9150
 press releases, 3765

INDEX 1967

- Treasury Department—Continued
public regulation of business, viewpoint (remarks), 11884
report, 1966—
departmental edition, 13164
document edition, 12196
transfer of silver to national stockpile—
law, 12171
reports, 10602, 10765, 12248
unemployment taxes, benefits from quarterly collection, GAO review, 8135
withdrawal of cash from, for advances under Federal programs, 7207
working capital fund, establish, report, 9090
- Treasury notes:
4½ percent, series C-1968, 13168
4½ percent—
series A-1962, 7209
series B-1968, 7208
series B-1972, 13169
5½ percent, series D-1968, 15812
5½ percent, series B-1971, 2948
5½ percent, series A-1968, 5570
payable in foreign currency—
law, 513
law, summary, 9177
legislative history, 7762
report, 702
Senate amendments, summary, 4567
- Treasury savings notes, general information, department circular, 8773
- Treaties:
and agreements of interest to Navy, compilation, 11291
collective defense, compilation, 7743
general interest, summary, 89th Congress, 4572
in force, list, 7194
non-proliferation treaty, why? 15926
treaties and other international agreements, 14691
see also Commercial treaties—also names of countries—also subjects.
- Treaties and other international acts series, 1634-42, 2885-2935, 3978, 5532-52, 7151-93, 8723-50, 10100-104, 11833-874, 13144-154, 14683-689, 15765-804, 17227-249, 18233
- Treaties on Socialist Turkey, 5027
- TRECOM technical report, 8893
- Tree nuts, see Nuts.
- Tree planting:
scrub oak areas after site preparation with heavy equipment, 8112
slash pine, Florida, summer planting shows promise, 8118
tree planters' notes, 1039, 8125-27
- Tree seeds, see Seeds.
- Trees:
accidents caused by hazardous trees on California recreation sites, 11125
Alaska, specific gravity of increment cores, 4835
color it green with trees, calendar of activities for home arborists, 5676
dealers in seeds and planting stock, directory, 8125
death of a giant, dutch elm disease still takes its toll, picture story, 15872
forest, plant-parasitic nematodes, world distribution, 16645
forest, tree improvement research in South and Southeast, 9542
genetics and breeding of forest trees, bibliography, 4827
heartwood of native species, comparative decay resistance, 8065
height-diameter curves for tree species subject to stagnation, 2311
mean-growth, accuracy of estimates made with dial-gage dendrometers, 8079
pioneer search for better kinds for Northwest Wind River Arboretum, 14147
sampling tree tops by helicopter, 11123
transport of intercepted snow from trees during snow storms, 8114
- Trees—Continued
visible dormant buds as related to tree diameter and log position, 17802
see also Christmas trees—Tree planting—also names of trees.
- Trefoll, production for pasture and hay, 14741
- Trematodes, see Flukes.
- Trends in educational attainment of women, 7239, 14726
- Trends in sayings and loan fields, 16574
- Trenton, N. J., area wage survey, 8313
- Treves, S. B., Carney Lake Gneiss, 6398
- Trezevant, Walter S., analysis of electrical instrument shipments, 1826
- Triangulation, see Geodesy.
- Triassic period, Upper, and Triassic (?) formations between southwestern Utah and southern Nevada, correlation, 6393
- Triaxial equipment, duty-free entry, for Northwestern University, 617, 7653, 14889, 16357
- Trichlorides, see names of trichlorides.
- Trilobites:
calymenid and other Ordovician, from Kentucky and Ohio, 16698
Middle Ordovician, from basin ranges, western U.S., 11174
- Trimble, LaVaille T., how to get money for college, 16501
- Trimble, Paul E., nomination, hearings, 6094
- Trinidad and Tobago:
agricultural production, indices, 4700
amateur alien radio operators, authorization to operate, agreement, 15774
income-tax convention—
hearing, 17651
report, 17620
text, etc., 6063
- Trinity County, Calif., erosion and deposition produced by flood of Dec. 1964 on Coffee Creek, 17823
- Trip generation, see Travel.
- Triplax, see Beetles.
- Tripp, John S., algorithm for synthesis of asynchronous sequential circuits, 1473
- Tripp, Patricia A., see Paeng, Mi Kung.
- Trips, see Travel.
- Trips, slips, and falls, occupational safety aid, 9708
- Trisphere spark gap actuates overvoltage relay, 2671
- Tri-States Construction Co., Inc., relief, 329
- Tritiated alumina serves as reagent for self-labeling analysis, 16886
- Tritium, quantitative determination in natural waters, 1130
- Tritons, energy required to produce electron-hole pair in silicon, 1501
- Troops, see Armed Forces—Army.
- Trophies, National Guard Bureau, Eisenhower trophy to outstanding unit of company size, announcement of winners, 14523
- Tropics:
Atlantic Ocean, seabirds, identification manual, 2752
balance equation, experiment in use in tropics, 9429
corrosion of metals, 9993
- Troposphere:
radio duct meteorology at VHF and UHF in theory and as observed on trip around world, 1551
turbulent, effect on parameters of linear array antenna, USSR study, 5018
UHF wave propagation, 6508
upper, motions as revealed by satellite-observed cirrus formations, 9430
- Trouble shooting, complex system, solid state annunciator facilitates testing, 2640
- Trousers:
making pants longer or shorter, 7289
make waistline fit on pants, 7282
tapering pants, 7281
- Trout, David L., effects of hydrazine on fat transport as affected by blood glucose concentration, 65

- Trout, E. Dale, X-ray machine simulator, 18191
- Trout:
brook trout of Great Smoky Mountain National Park, 17787
hepatoma research conference papers, 11090
response of migrating adult salmonids to orifices, etc., 14066
- Trowbridge, Alexander B.:
addresses, etc.—
Nov. 2, 1966, 234
Nov. 3, 1966, 227, 245
Feb. 6, 1967, 5948
Feb. 28, 1967, 5960
Mar. 2, 1967, 5957
Apr. 8, 1967, 7581
Apr. 17, 1967, 7569
Apr. 24, 1967, 9022
May 1, 1967, 9023
May 13, 1967, 10450
May 16, 1967, 10454
May 17, 1967, 10449, 10466
May 21, 1967, 10471
May 22, 1967, 10467
June 2, 1967, 10451
June 5, 1967, 10468
Spanish edition, 10464
June 27, 1967, 12126
Sept. 8, 1967, 16095
Sept. 11, 1967, 16094, 16096
Sept. 20, 1967, 16109
Sept. 29, 1967, 16092
Oct. 6, 1967, 16093
Oct. 19, 1967, 17469
nomination, hearing, 12406
- Troy, N.Y., area wage survey, 12772
- TRU (transuranium processing plant), *see* Transuranium Processing Plant.
- Trubey, D. K., proceedings of special sessions on radiation transport and biological effects, 13314
- Trucial States, foreign trade regulations of Arabian Gulf States, 17480
- Truck tractors, *see* Tractors.
- Truck trailers, *see* Trailers.
- Truckee, Calif., earthquake, Sept. 12, 1966, effects, 9565
- Trucking, *see* Motortrucks in freight service.
- Trucks, commercial, standard models and special equipment requirements, military standards, 15190, 15192, 15195-196
see also Firefighting vehicles—Hand trucks—Motortrucks—Power trucks.
- True, Arthur W.:
economics of agriculture of foreign countries and U.S. foreign agricultural trade, selected list of publications, 993
economics of agriculture, reports and publications of USDA's Economic Research Service, 13947
- Truman, Harry S., *see* President of United States.
- Trunklines, *see* Air carriers.
- Trusses:
moisture cycling of trussed rafter joints, 8101
open-face truss-core sandwich panels, compression tests, 5235
- Trust funds, *see* Trusts and trustees.
- Trust Territory of Pacific Islands:
administration, report to United Nations, 5529, 11830
annual report, 12638
continue civil government, increase appropriations—
hearing, 7812
law, 10485
reports, 7702, 7710, 9131, 9265
status, message from the President, 16157
- Trustees of posterity (address), 15877
- Trusts (Industrial):
antitrust field, Congress and monopoly problem, 1890-1966, history of congressional action, 4561
- Trusts (Industrial)—Continued
antitrust laws—
administration, investigation—
authorization, report, 4617
subcommittee activities, report, 9293
balance of payments voluntary agreements, safeguarding U.S. position, exemption from antitrust laws, extend—
law, 14806
reports, 13647, 13674, 13811
1890-1966, compilation, 1978
football merger, authorize—
hearings, 742
law, 504
law, legislative history, 2064
law, summary, 4566
Senate amendments, summary, 4568
medical restraint of trade act, hearings, 17661
price discrimination legislation, hearings, print additional copies, reports, 916, 2030
economic concentration, concentration and divisional reporting—
Fortune directory of 500 largest U.S. industrial corporations, 1954-65, hearings, 12415
hearings, 6116
income tax treatment of treble damage payments under antitrust laws, make nondeductible, hearings, 7820
international aspects of antitrust, hearings, 7818, 13874
Justice Department antitrust activities, review, 8280
Sherman antitrust law, amend, hearing, 7817
- Trusts and trustees:
highway trust fund—
beautification program financing, authorization, hearings, 12311
financial condition and operations, annual report, 9059
legal investments for trust funds in D.C., list, 6157, 15201
OASDI trust funds, additional earnings from 1960 interest rate amendments, 7116
trust indenture act of 1939, releases, SEC, 3979
see also Charitable trusts—Deeds of trust.
- Truth in lending act, *see* Credit.
- Trypanosoma cruzi, tumortropism as basis for biotherapy of cancer with cruzin, USSR study, 6548
- Trypanosomiasis, cure for Chagas disease discovered, Brazilian study, 11243
- Tsai, Stephen W., composite structures, 2602
- Tsai, deserts, description, 16777
- Testlin, M. L., Soviet scientist, biography, 1330, 2480
- Tsifutis, Argylis A., relief, 553
- Tsunami (tidal wave):
earthquake of Mar. 27, 1964—
Kodiak and nearby islands, effects, 1121, 11176
Seward, Alaska, effects, 11175
Hilo Harbor barrier, steady-flow stability tests of navigation opening structures, 2226
seismic wave propagation, 12118
stability of rubble-mound barrier, Hilo Harbor, Hawaii, 16526
wave reporting procedures for tide observers in seismic sea wave warning system, 4412
- Tualatin project, construction, report, 652
- Tuberculosis:
avian tuberculosis in hogs, 14755
reported data, 14635
Yakut Scientific and Research Institute of Tuberculosis, meeting, 1333
- Tuberculosis in animals:
bovine, eradication in cooperation with States, summary, 8813

INDEX 1967

- Tuberculosis in animals—Continued
 eradication in cooperation with States, summary, 3915
 eradication, State-Federal cooperative program, progress report, 7251
- Tubes:
 aluminized thin-window proportional-counter tube is stronger, more responsive in long wavelength region, 8451
 conference on production of various types, Hungary, 9634
 ductile mandrel and parting compound facilitate tube drawing, 5156
 Federal item identification guides for supply cataloging, supplements, 3288
 flared, roundness, and concentricity, mechanical gage checks, 6816
 flares, gage tests quickly and accurately, 5210
 heat exchanger, supported in high vibration environment, 5220
 horizontal, sodium-potassium-cooled, heat-transfer of nonwetting, condensing mercury flow, experimental investigation, 11541
 metal, can be folded for compact stowage, is self-erecting, 1452
 metal tube reducer is inexpensive and simple to operate, 17932
 metallic, Federal item identification guide, 10893
 orbital tube flaring system produces tubing connectors with zero leakage, 8454
 plastic tubing protects flexible copper hose, 6755
 roughening increases heat transfer capability, 6773
 seamless, production, USSR study, 2467
 silver plating technique seals leaks in thin wall tubing joints, 6699
 single thermal and hydraulic performance of potassium during condensation, 15506
 small diameter refractory tube drawing hydraulic fluid serves as mandrel, 5151
 square tubing reduces cost of telescoping bridge crane hoist, 17920
 steady-state performance of 7-tube potassium condenser, 12937
 straight and curved, heat transfer to cryogenic hydrogen flowing turbulently at high heat fluxes, 6713
 tungsten tubing, thin-wall, extrusion of $\frac{1}{2}$ - and $\frac{3}{4}$ -inch diameter, using floating mandrel technique, 5250
 vertical, freon-113 condensing in downward flow, local heat-transfer and pressure distributions, 11510
see also Electron tubes—Image tubes—*also* names of metals, etc., of which tubes are made.
- Tubes (inner), *see* Inner tubes.
- Tubfish, Haskell S., ornamental use of starfishes, 6346
- Tubing, *see* Tubes.
- Tubipora musca, *see* Corals.
- Tucker act (28 U.S.C., 1346 (a) (2)), *see* District Courts.
- Tucker County, W. Va., soil survey report, 11812
- Tucson, Ariz.:
 area, urbanization and mineral aggregate industry, 5105
 National Advisory Commission on Rural Poverty, hearings, 15668
 population, special census, 10368
 Tufted textile products, current industrial reports, 7481, 16005-6
- Tufts University, rheogoniometer, duty free entry, 7647, 13775, 14901
- Tu-jang Chuan-pao (periodical):
 translations, 1211
- Tularemia, influence of intermittent 98 per cent oxygen and 380 mm. Hg. total pressure on host susceptibility, 5715
- Tule Lake National Wildlife Refuge, birds, list, 15262
- Tuliptree:
 diameter distributions in natural yellow-poplar stands, 9544
 short-term storage of yellow-poplar, softwood cuttings, 11131
 yellow-poplar in New Jersey and Maryland, treatments needed to regenerate, 17804
- Tullas, Tommie J., management (excluding personnel), PACAF basic bibliographies, 10228
- Tully, P. C., vapor pressure of pure liquid nitrogen, 6639
- Tumors:
 alimentary tract in Africans, symposium, 14632
 and infectious virus interaction, quantitative aspects, USSR study, 6580
 atlas of tumor pathology, 15181
 brain tumor cells, morphology, USSR study using anoptical microscope, 12739
 brain, uranyl phthalocyanines show promise in treatment, 12842
 endocrine glands and secondary sex organs, 2841
 intestines, pathology, 15181
 origin, research on evolution of virus theory, USSR study, 9655
 paths of intracellular synthesis of viruses of avian leucosis and sarcoma, USSR study, 6534
 trout hepatoma research conference papers, 11090
 tumorigenic action of some human adenoviruses, USSR study, 6560
 viruses, and cell structure, virological and microscopic studies, USSR, 6562
see also Cancer.
- Tuna fish:
 deep-swimming, longline fishing in Marquesas Islands and adjacent areas, 12549
 longline fishing effort and catch rates in northwestern Atlantic, 1957-65, inventory, 14063
- Tungsten:
 ages of plutonium-beryllium neutrons in tungsten-water media, 1502
 alloy, high strength—
 at elevated temperatures, 5217
 with improved ductility, 16969
 brazing, for high temperature nuclear service in hydrogen, 11506
 cobalt alloys reaction with oxygen at 1,000° and 1,100° K, 14352
 deposits, mineralogy, geochemistry and genesis of, 1st all-Union conference, 1157
 dislocation structures in slightly strained tungsten and alloys, 14486
 fiber-reinforced copper composites form high strength electrical conductors, 2678
 hot filaments, synthesis of higher order hydrocarbons, 8504
 hydrocarbon synthesis, use as catalyst, 12827
 insulated susceptor cup for induction furnace eliminate contamination, 5211
 mineral industry survey, monthly, 3980
 minerals yearbook chapter, 1416
 properties, influence of neutron bombardment, USSR study, 15389
 reactor rocket engine, mapping as guide to operation and control, 9876
 resonance absorption integrals, determination by activation, 18012
 rhenium alloys, lower-cost, 5208
 rhenium-tungsten deposition by thermochemical reduction of hexafluorides, 9767
 stress-rupture and creep properties of tungsten-fiber-reinforced copper composites, 17002

- Tungsten**—Continued
tubing, thin-wall, extrusion of $\frac{1}{2}$ - and $\frac{3}{4}$ -inch-diameter, using floating mandrel technique, 5250
tungsten-cobalt system for compositions to 85 atomic percent cobalt, 12816
vanadium-base tungsten alloys, properties, 9780
wrought, effect of ductile cladding on bend transition temperature, 17008
- Tungsten hexachloride**, purification, 14341
- Tungsten isotopes**, resonance integrals, 9914
- Tunicata**, Pacific specimens in National Museum, 9950
- Tunisia**:
agricultural commodities, agreement, 1642, 5537
background notes, 5523
capsule facts for Armed Forces, 11979
declaration on provisional accession to GATT, 2894
labor conditions, 2519
mineral industry, minerals yearbook chapter, 6668
oceanographic research, Mediterranean Marine Sorting Center, agreement, 2931
Sahil Sûsah area, surface water and related climate features, 11189
U.S. travelers, you can assist U.S. balance of payments, 11887
- Tunnel diodes**, see **Diodes**.
- Tunnels**:
nonuniform radial loads applied to boundary of circular hole in infinite plate, 17914
permafrost, Fairbanks, Alaska, geology, 17378
South Vietnam, environmental characteristics, 15229
- Turbidity**, East Siberian Sea, July–Sept. 1964, turbidimetric observations, 9988
- Turbine blades**, see **Blades**.
- Turbine fans**, tip, high gas temperature utilization, 4221
- Turbine fuel**:
aviation, 1966, petroleum products survey, 9762
emulsified, feasibility of burning in gas turbine engines, 11998
- Turbines**:
and components, Federal item identification guides for supply cataloging, supplements, 3285
axial flow, off-design performance, analytical procedure and computer program, 8411
cold-air investigation of turbine for high temperature engine application design and stator performance, 5236
cold-air performance evaluation of fuel pump turbine for M-1 hydrogen-oxygen rocket engine, 6868
computer program performs flow analysis through turbines, 1472
gas, Mines Bureau coal-fired research project, test of new turbine blade design, 9772
gas turbine engines—
accessory technology, advancement, 10291
component technology, high-temperature materials research, 10287
feasibility of burning emulsified fuel, 11998
hydraulic reactions, selecting, 2847
hydraulic turbine industry, price indexes for materials, quarterly, 3415
hydraulic turbine operations, index of hourly earnings, selected establishments, 3413
lift fan technology studies, 11402
radial-inflow, experimental performance evaluation over range of—
Reynolds number, 6871, 6881
specific speeds, 2716
- Turbines**—Continued
turbomachinery, rotating components, computer program simplifies design, 15488
variable geometry for small gas turbine engines, study, 11996
- Turbolators**:
Brayton-cycle, static parasitic speed controller, 17004
solar-Brayton system, parasitic-load speed control, analog-computer study, 5258
two-spool solar-Brayton system, valve-speed control, 5257
- Turbojet aircraft**, see **Airplanes**.
- Turbojet engines**, see **Engines (aircraft)**.
- Turbomachines**, see **Turbines**.
- Turbopumps**, cold-air performance evaluation of fuel pump turbine for M-1 hydrogen-oxygen rocket engine, 6868
- Turbulence**:
boundary layer—
characteristics of pointed slender bodies of revolution at supersonic speeds, 18026
investigation at Mach 6 with heat transfer at high Reynolds numbers, 8488
clear air near thunderstorms, 6222
drag measurements in stream with sinusoidally fluctuating velocity in longitudinal direction, 5749
effect of turbulent troposphere on parameters of linear array antenna, USSR study, 5018
free-flight heat-transfer data from axisymmetric bodies, correlation with compressible flat-plate relationships, 5272
high-altitude, XB-70 airplane encounters, preliminary evaluation, 18038
high levels, hot wire techniques in low density flows, study, 6841
launch vehicle wind and turbulence response by nonstationary statistical methods, 15505
National Committee for Clear Air Turbulence, report, 2226
studies from aircraft and radar data, 10966
weak homogeneous, effects of combined buoyancy and shear, 11542
weak, in homogeneous plasma, 8906
weak locally homogeneous, and heat transfer with uniform normal strain, 5254
- Turbulent flow**, see **Flow**.
- Turkey**:
agricultural commodities, agreement, 17228
atomic energy, cooperation for civil uses, agreement, 2898
economy, basic data, 5952
foreign trade regulations, 12136
labor movement, 5016
mineral industry, minerals yearbook chapter, 8369
rifts within Turkish left, 14243
Socialist Turkey, treatise, 5027
trade in cotton textiles, agreement, 15786
- Turkeys**:
farm production, etc., 7301, 13158
national improvement plan—
hatcheries, dealers, and independent flocks, participants, 7244
supplement, 10151
provisions, 14752
number raised, 1967, intentions, etc., 8762
prices and price spreads in 12 major cities, 11943
tested by official State agencies, monthly report, 3981
- Turkmen Soviet Socialist Republic**, medical institutions, quality and number increase steadily, 14224
- Turkot, V. A.**, explosion puffed dehydrated potatoes, estimated cost of commercial production using shortened cycle, 8808

INDEX 1967

- Turman, James A., decisions from the field, what OE's decentralization means to schools and colleges, 16497
 Turnbow, James W.:
 aircraft passenger-sent-system response to impulsive loads, 17388
 crash survival design guide, 13309
 Turner, Charles A., relief, 277, 898
 Turner, Francis C.:
 nomination, hearing, 7826
 remarks, Mar. 16, 1967, 8663
 Turner, John, oil and gas lease, reinstate, 530, 12324
 Turner, John H., comparison of spinning performances of cottons with varying fiber properties, San Joaquin Valley, Calif., 15860
 Turney, George E., cooldown characteristics of regenerative nozzle used in cold-flow nuclear rocket test facility, 11500
 Turnips, production, 4111
 Turnover compartmentalization, statistical tracer theory for analysis of whole-system retention data, 12012
 Turpentine, see Naval stores.
 Turtle Creek, channel improvement, hydraulic model investigation, 7932
 Tuten, J. Russell, remarks, Sept. 14, 1967, 16090
 Tuttle, Samuel J., geomorphic effects of earthquake of Mar. 27, 1964, in Martin-Boring Rivers area, Alaska, 2370
 Tuttle, D. E. L., Navy management review, 3614
 Twinner, Sidney B., commercial potentials of semipermeable membranes, report, 6737
 Tuzigoot National Monument, general information, 17054
 TV, see Television.
 TVA, see Tennessee Valley Authority.
 Tweeten, Luther C., role of education in alleviating rural poverty, 10917
 Twin Creek, limestone (Jurassic) in western interior of United States, 8168
 Twin helix system produces fast scan in infrared detector, 6800
 Two-phase flow through abrupt expansions and contractions, 7431
 Two years of progress, veterans affairs, 1965-66, 89th Congress, 1660
 Tygarts Creek:
 engineer report—
 departmental edition, 2210
 document edition, 2008
 Tyndale, Harry J., aerospace safety, 2993
 Tynes, William O., comparison of properties of mass concrete containing 3- and 6-in. maximum size, crushed limestone coarse aggregate, 4745
 Typesetting, automatic typographic-quality techniques, state-of-the-art review, 9942
 Typewriters:
 current industrial reports, 3169, 10359
 electric, furnished to Members of House of Representatives, increase number—
 law, 17561
 report, 14969
 industry, 1958-66, analysis and trends, 13355
 see also Ribbons for typewriters.
 Typical plans for retaining walls, 18194
 Typists:
 career opportunities await you, Army Department, 8896
 clerk typists, opportunities with FDA, 8046
 examination announcement—
 amendment, 14855
 supplement, 7549
 opportunities in State Department, 11831
 Typological approaches and delinquency, control, status report, 17166
 Tyrrell, Philip H., systems for measuring and reporting resources and activities of colleges and universities, 17058
- U
- U.S.D.A., see Agriculture Department.
 U.S. fighting man's code, 13286
 U.S. foreign trade statistics, classifications and cross-classifications, 17440
 U.S. Government research and development reports, 3984
 U.S.I.A., see United States Information Agency.
 U.S. National Commission for UNESCO newsletter, 3986
 U.S.S.R., see Union of Soviet Socialist Republics.
 Ubieta, Victor M., relief, 533
 Udall, Stewart L.:
 remarks—
 Jan. 31, 1967, 6439
 Aug. 19, 1967, 15324
 Udell, Gilman G.:
 agricultural trade development and assistance act of 1954 and amendments, 4463
 antitrust laws with amendments, 1978
 atomic energy, act of 1946 and amendments, 1979
 civil service classification and salary laws, 1980
 crime, kidnaping and prison laws, 1982
 Federal farm loan act with amendments, and Farm mortgage and Farm credit acts compilation, 1983
 Federal Power Commission laws and hydroelectric power development laws, 1984
 Federal reserve act of 1913, with amendments and laws relating to banking, 1985
 law relating to—
 agriculture, 1986
 civil service retirement, 1981
 espionage, sabotage, etc., 1987
 Federal aid in construction of roads, 1988
 forestry, game conservation, flood control and related subjects, 1989
 interstate commerce and transportation, 1990
 pension laws, 1991
 railroad retirement and unemployment insurance act, as amended, 1992
 selective service act, as amended, 1993
 soldiers' and sailors' civil relief act of 1940 and amendments, 1994
 veterans laws, supplement, 1995
 Uganda:
 labor conditions, 1390
 mineral industry, minerals yearbook chapter, 8355
 UH-1, see Helicopters.
 UHF, see Ultrahigh frequency.
 Uhr, Carl G., Sweden's social security system, 1608
 Uhrig, Robert E., neutron noise, waves, and pulse propagation, 12003
 Uinta Basin, Southeastern, Utah and Colo., geology and fuel resources, 12610
 Uinta Mountains, High Uintas primitive area, mineral resources, 12598
 Ukrainian literature, Ukrainian Soviet literature on eve of great 50th anniversary, 4945
 Ukrainian Soviet Socialist Republic:
 Academy of Sciences, organization of comprehensive research, 15390
 dissertations on mechanics defended at institutes, 1302
 general progress under Soviet power, review by Communist Party central committee, 6576
 pride, a tale of mountain life in Ukraine, 16781
 scientific laboratories, institutes, and botanical garden, research gains noted, 14235
 Ubricht sphere, modified, special purpose reflectometer uses, 9863

- Ulrich, H. P., soil survey of Parke County, Ind., 13127
- Ultrahigh frequency:
mechanical device accurately measures RF phase differences in VHF or UHF ranges, 6848
- UHF wave propagation in troposphere, 6508
- Ultrasonic water column probe speeds up testing of welds, 5225
- Ultrasonic waves, *see* Sound.
- Ultrasonics, *see* Sound.
- Ultraviolet rays:
detecting system, electron-sensitive solid state matrix, research and development, 16897
- irradiated and weathered softwood surfaces and clear coatings, microscopic observations, 14123
- spectrometric techniques and spectral-structure correlations, 6631
- ultraviolet radiation, effect and use, USSR study, 12663
- vacuum ultraviolet below 500Å, continuously operating source, 5224
- Ultraviolet spectrum, *see* Spectra.
- Ulvedal, Frode, excretion of steroids and catecholamines during exposure to oxygen-helium atmosphere, 7366
- Umatilla, Oreg.:
relief—
law, 485
report, 838
- Umatilla National Forest, multiple use highlights, 15291
- Umbilical systems, lock-disconnect mechanism gives positive release to joined bodies, 11460
- Umiat, Alaska:
bentonite, unusual montmorillonite, analysis, 13291
geology of Umiat-Maybe Creek region, 8159
- UN, *see* United Nations.
- Un-American activities:
assistance to enemies of U.S. in undeclared war, make punishable, reports, 2017, 2019, 10618, 12263
- curb terrorist organizations, report, 16250
- subversive activities control act of 1950, amend to accord with court decisions, report, 15166
- Un-American Activities Committee, House:
annual report, 13660
committee print, 7757
- expenditures, authorizing, report, 9105
- hearings, 10680
- reports, 699, 2017, 10618, 16250, 16290
- Undercoat prevents blistering of silver plating at elevated temperatures, 11444
- Underdeveloped areas:
agricultural assistance, picture story, 17332
- economic development (periodical), 3226
- project activity supplement, 6159
- trade and investment in developing countries, report, 9026
- Underemployment, *see* Unemployed.
- Undergraduates, *see* Students.
- Underground mining, *see* Mines and mining.
- Underground power transmission, 12513
- Underground structures, construction, USSR study, 9662
- Undertakers and undertaking, funeral directors' handbook on death and fetal death registration, 17142
- Underwater cable design, 15387
- Underwater research, *see* Hydrooptics—Oceanography.
- Underwater ships of science, 8267
- Underwater sound, *see* Sound.
- Underwater sports in USSR, 6552
- Underwear, knit, current industrial reports, 3170
- Unemployed:
area redevelopment act, training programs, impact on public assistant caseloads, 3406
- area trends in employment and unemployment, 3039
- Federal unemployment taxes, benefits from quarterly collection, Labor and Treasury Depts., GAO review, 8135
- how government measures unemployment, 15437
- labor force, employment, and unemployment, 15452
- labor surplus area specialists, Defense Dept., list, 7866
- manpower development and training act—amendments of 1966, law, 496
- learn and train for job under MDTA, 13971
- mid-decade census, take in 1975, etc., hearings, 10666
- structural unemployment in United States, 7872
- training and technology in Tennessee, new skills for underemployed, 16792
- underemployment concept, way to measure need for economic development in Appalachia, 10922
- unemployed-parent segment of aid to families with dependent children, 3988
- work experience and training program, 12482
- Unemployment, *see* Unemployed.
- Unemployment compensation, *see* Unemployment insurance.
- Unemployment insurance:
benefit series service, 3055
- claims, 3989
- District of Columbia unemployment compensation act, amend to exempt public international organizations, report, 16293
- employment security, slides and films, 12472
- Federal employees, financial protection, 1925
- program—
extend benefits, etc., summary of Senate amendments to bill, 2115
- research studies, 1951-66, bibliography, 6260
- publications, price list, 17135
- railroad act, text as amended, 1992, 15719
- State laws—
comparison, 6199, 17727
- employment and wages of workers covered, 3233
- evaluation of coverage and benefit provisions, summary tables, 12471
- significant provisions, 13973
- State salary ranges of positions in employment security, etc., 4898, 11194
- unemployment insurance review (periodical), 3990
- unemployment insurance statistics (periodical), 3991
- UNESCO, *see* United Nations Educational, Scientific, and Cultural Organization.
- UNICEF Day, *see* National UNICEF Day.
- Unified action Armed Forces (UNAAF), 16730
- Uniform reflective films deposited on large surfaces, 5203
- Uniformed services, *see* Armed Forces—Pay, allowances, etc.
- Uniforms:
furnishing for deceased members of National Guard and Ready Reserve, report, 16229
- Marine Corps regulations, 8333
- Navy regulations—
change, 8583
- effective pages, 17081
- postal service, permit use in theatrical, television or motion picture productions, report, 14975

INDEX 1967

Uniforms—Continued

- United States Navy, 1776–1898, posters, 7008
- see also Clothing.
- Union of Medical Science Societies, Rumania, conference results reported, 14274
- Union of Soviet Socialist Republics:
 - Academy of Medical Sciences—
 - nominations, 5022
 - pediatrics session, report, 2461
 - vestnik (periodical), 4036
 - Academy of Sciences—
 - All-Union Entomological Society activities, report, 2471
 - Departments of Biochemistry, Biophysics, and Chemistry of Physiologically Active Compounds, annual convention, 2745
 - elections of biomedical scientists, 1331
 - new members, 2440
 - reports, 6579
 - vestnik (periodical), 4037
 - accelerators, plans, 1342
 - agricultural institutions, research work, 6572
 - agricultural situation—
 - midyear review, 16491
 - review and outlook, 9394
 - agricultural workers, protective masks available, description, 2457
 - agriculture, translations, 3968
 - air defense troops, 6569
 - air transport services, agreement, 5552
 - All-Union Academy of Agricultural Sciences imeni V. I. Lenin, patent practices and other measures, discussion, 1207
 - all-Union conferences and congresses—
 - biochemistry of nervous system, 1336
 - bionics, 1220
 - mineralogy, geochemistry, and genesis of tungsten deposits, 1157
 - scientific-technical, for automation of chemical production, 2454
 - analog and digital computer requirements, 1236
 - Antarctic research—
 - fishery research on Antarctic krill, 15345
 - Soviet Committee for Antarctic Research, reports on recent work, 12728
 - ten years, 12755
 - Arab nationalism, Soviet view, 9629
 - arms control and disarmament, press materials, translations, 3888
 - automation and cybernetics research, 6499
 - background notes, 17216
 - biochemistry and Minsk-2 computer, Bulgarian study, 4947
 - biological productivity of terrestrial plant communities, problems, conference, 4968
 - blackmail charges made by USSR in Middle East oil crisis, 15397
 - brain composition and function studied, by Soviet scientists, errata, 9610
 - Buddhism, Soviet view, 2429
 - Byurakanskaya Astrophysical Observatory, 1198
 - candidates for State prizes, 11282
 - chemical nature of organic matter in water of major rivers, 9614
 - communications, herald (periodical), 3397
 - communications, translations, 3969
 - Communist Party—
 - 23rd Congress, on struggle against imperialist ideology, 9654
 - U.S.A., Soviet pawn, 6114
 - computer centers and automatic accounting and control systems, 1340
 - computer technology, problems in assimilating, 2449
 - construction industry—
 - plans improvement in production and technology, 8239
 - trends, 4984
 - consular convention
 - hearings, 6103
 - report, 6067

- Union of Soviet Socialist Republics—Con.
 - consumer goods and domestic trade, translations, 3970
 - cotton production, etc., addendum, 13245
 - cultural relations, exchanges, agreement, 7182
 - current 5-year plan, hydrobiology and ichthyology goals defined, 6522
 - cybernetics—
 - current applications, 12730
 - technical, problems of control and information problems of science, 2427
 - Czechoslovakia-U.S.S.R. boundary, study, 17225
 - desalination, agreement, 11841
 - development of live vaccines, survey, 9618
 - earthquakes, 1255
 - economic reforms in light industry, results, 5009
 - economy and industry—
 - current developments, 4013
 - general information, 4014
 - economy, application of—
 - computer technology, 1310
 - macro-economic production functions, 2469
 - economy, contemporary stage of development, and bourgeois criticisms, 9639
 - education, translations, 3966
 - educational institutions—
 - correspondence and evening higher educational institutions, prospects, 1164
 - productivity discussed, 1292
 - engineering patents, 9628, 9648
 - ethnography translations, 8261
 - experiment in insecticide effectiveness, 4978
 - experimental power plant with magneto-hydrodynamic generator, 15428
 - faithfulness to international obligations, 14267
 - farm production, effects of increased incentives, 2468
 - Fiat-Soviet auto plant and Communist economic reforms—
 - study, print additional copies, report, 10594
 - subcommittee report, 12291
 - Finland-USSR boundary, study, 8718
 - fisheries, northeastern Pacific Ocean off U.S. coast, agreement, 11858
 - foreign policy, phases, 1279
 - gas industry, rapid development, 2451
 - Gorkiy Medical Institute, failings noted, 4936
 - graduate schools and medical training, improvements sought, 15407
 - health officials, 1247
 - Hematological Service, and immediate tasks confronting it, 6584
 - hospital services, report of U.S. delegation on hospital systems planning, 2826
 - Hungary-U.S.S.R. boundary, study, 17224
 - hydrobiology, survey of fifty years of work, 14236
 - hydrometeorological service news, 1175
 - industrial development—
 - automotive and tractor industry, 4015
 - chemical industry and machinery, 4016
 - construction, construction machinery, and building materials, 4017
 - electric power, power machinery, and electrical equipment, 4018
 - electronics and precision equipment, 4019
 - metallurgy and minerals, 4020
 - metalworking equipment, 4021
 - precision equipment, 4022
 - inland seas, what will happen to them, 8244
 - Institute of Oceanology, 20th anniversary, 9622
 - intellectual ferment, aspects, 4571
 - print additional copies, report, 2098
 - international economic relations, translations, 4024

Union of Soviet Socialist Republics—Con.
 joint Soviet-Polish scientific and technical
 meeting, 9658
 journalist describes visit to Communist
 China, 6583
 king crab, fisheries, agreement, 11857
 labor force and civilian employment, 1950
 75 estimates and projections, 12090
 labor, studies, 6530
 labor, translations, 3971
 law and social regulation, translations,
 3967
 man-machine systems, problem, sympo-
 sium, report, 16753
 medical apparatus, new, 17877
 medical educational extension service pro-
 gram, review, 2433
 medical history reviewed, 14227
 medical industry (periodical), transla-
 tions, 4023
 medical instruments, description, 12722
 medical research praised and criticized,
 6567
 medical service, measures to improve, 6538
 medicine and biological sciences, better
 coordination urged, 6500
 medicine and biology, translations, 14271
 medicine, prospects and achievements,
 15360
 military schools adopt programmed teach-
 ing methods, 16756
 military translations, 3887
 mineral industry, minerals yearbook chap-
 ter, 15470
 Mosenergo high-voltage overhead electric
 power network, development study, 6550
 motion picture, July rain, reviewed, 16771
 Muslim teachings and education reviewed
 in press, 1252
 NATO, Soviet view (speech), 9317
 northern, sailing directions, change, 14574,
 15626
 nuclear weapons development, digest, 7746
 oceanographic ship conducts marine re-
 search in Pacific, 14240
 organic chemistry studies, 2444
 organization of interdisciplinary cybernetic
 studies, 15349
 pharmaceutical development, 15391
 poor safety measures and work methods
 at mines, 2478
 power plants in India, studies, 6525
 programmed instruction, state, 11248
 propaganda, techniques, 12322
 print as Senate document, report, 12372
 public health—
 economics, discussion by medical men
 and economists, 2462
 greater economy urged, 6570
 problems in next 5-year plan, 4966
 service, defects cited, 1263
 publications on applied problems in tech-
 nical cybernetics described, 14262
 rebellion in Russia's Europe, fact and fic-
 tion, print additional copies, report,
 12373
 report on oil-producing Arab nations,
 11254
 research—
 application of electronics in biology and
 medicine, 4970
 applied chemistry, 4979
 bionics, reports, 1259
 brain composition and function studied
 by Soviet scientists, 8271
 cancer, recent work, 1334
 ion-exchange technology, 8254
 need for activities cited, 2428
 nutrition, 2459, 6511
 personnel training in bionics, 16773
 petroleum industry, 1187
 scientific bases of strength and plastic-
 ity of materials, 2453
 selection of optimal working communi-
 cation frequencies, 6518
 virology, 4993

Union of Soviet Socialist Republics—Con.
 Russian drug index, 8534A
 satellite tracking equipment, description,
 9611
 science—
 basic trends discussed by Academician
 Ya. V. Pevye, 8253
 expands, 12751
 promoting development, 15374
 science and technology achievements,
 14248
 scientific abstracts, 4025-31
 scientific and technical information (peri-
 odical), 3852
 scientific and technical information serv-
 ice, organization, 2430
 scientific education, measures outlined for
 improving, 14245
 scientific establishments, activities, 2479
 scientific organizations—
 activities, 15379
 news, 2436, 6519
 recent progress described, 1267
 scientists—
 and scientific organizations, news, 9638
 benefits and improvements, 4982
 honored, 1190
 research and activities reviewed, 14264
 satellite meteorology, papers, 4986
 scuba diving, 15420
 selected functional bibliography, 15763
 Sino-Soviet conflict, implications, report
 and hearings, print additional copies,
 report, 2029
 soil conductivity, results of measurements,
 14229
 Soviet-Arab contradictions in relations
 with Israel, 14241
 Soviet-Polish symposium on development
 of science, 15411
 space—
 activities, brief recapitulation, 1305
 programs, 1962-65, goals and purposes,
 etc., 4628
 space biology and medicine, conference,
 reports, 1228
 standardization, recent developments, 8240
 state budget under conditions of imple-
 mentations of economic reform, 4944
 steel casting and foundry work, 1224
 technological advancement and improve-
 ment, 1158
 10-year school, final examinations, 1002
 test airfield of Soviet air forces, 16738
 transportation, translations, 3972
 U.S.A. vs. U.S.S.R., changing strategic
 military balance, 12288
 Ukraine, general progress under Soviet
 power, review by Ukrainian Communist
 Party central committee, 6576
 underwater sports, 6552
 virology and cancer studies, 9616
 virus studies, 6516
 Voronezh State University, living and
 study conditions of Chinese post-
 graduate students, 4954
 weather modification, 1964-66, bibliog-
 raphy, 17903
 Union provost marshals' papers relating to
 civilians, pamphlet accompanying micro-
 copy, 18061
 Union wages, see Wages.
 Unions, see Fishermen's and fish shore
 workers' unions—Labor unions.
 Unit heaters, current industrial reports,
 3170, 12070
 United Arab Republic (Egypt) :
 background notes, 7142
 capsule facts for Armed Forces, 10249
 declaration on provisional accession to
 GATT, 11863
 economy, basic data, 12132
 education, Commission for Education and
 Cultural Exchange and financing pro-
 grams, agreement, 11870

INDEX 1967

- United Arab Republic (Egypt)—Continued
 - food products import market, 1947
 - labor conditions, 1391
 - Soviet Arab contradictions in their relations with Israel, 14241
 - U.S. travelers, you can assist U.S. balance of payments, 11887
 - war or peace in Middle East, study mission report, 10837
- United Kingdom, *see* Great Britain.
- United Kingdom of Great Britain and Northern Ireland, *see* Great Britain.
- United Nations:
 - action agency for peace and progress, 14679
 - charter amendment—
 - message from the President, 4574
 - report, 9189
 - conference, single convention on narcotic drugs, 1961—
 - message from the President, 7771
 - report, 9190
 - development program, and private enterprise, how to bid on special fund projects, 4262
 - foreign relations of U.S., diplomatic papers, general—
 - departmental edition, 18230
 - document edition, 17565
 - headquarters, agreement, 8733
 - peacekeeping dilemma, 10835
 - Southern Rhodesia and United Nations, U.S. position, 8720
 - United Nations at 21, report, 7810
 - United States participation, report—
 - departmental edition, 8719
 - document edition, 7608
- United Nations Educational, Scientific, and Cultural Organization:
 - amendment to constitution, 17243
 - special fund projects, 14690
- U.S. National Commission, newsletter, 3986
- United States and UNESCO, challenges for the future, 10105
- United States:
 - NOTE:—For all subjects pertaining to the United States, except its government, general history, and description, *see* such subjects.
 - America Illustrated (periodical)—
 - Polish language edition, 3026
 - Russian language edition, 3027
 - becoming a citizen series—
 - our American way of life, 11211
 - our Government, 12630
 - our United States, 12629
 - commitments to foreign powers, hearings, 17652
 - conflicts between U.S. capabilities and foreign commitments, hearing, 6102
 - Constitution and Government, Federal textbook on citizenship, 12631-632
 - discovery and rediscovery for economic development (address), 7361
 - facts, from recent Census Bureau surveys, 7491
 - foreign policy commitments, should be substantially reduced, national high school debate topic, 2002
 - geographic names, decisions list, 1105
 - growth, 1640-1851, exhibition, History and Technology Museum, Smithsonian Institution, 18203
 - pocket data book, FSA 1967—
 - departmental edition, 5890
 - document edition, 5986
 - state of the Union message from President Johnson, 12195
 - statistical abstract, 1967—
 - departmental edition, 14834
 - document edition, 14923
 - travel a new world, *see* U.S.A., map, 13170
 - U.S.A. vs. U.S.S.R., changing strategic military balance, 12288
 - United States and the world, introduction to our foreign relations, 5553
 - United States Arms Control and Disarmament Agency, biographic register, 14670
 - United States Army Service Center for Armed Forces, USASCAF pamphlet, 4229
 - United States coast pilots, *see* Coast pilots.
 - United States code, *see* Codes of law.
 - abolish office—
 - hearings, 12416
 - report, 13810
 - system, proposals to reform, hearings, 12416
 - United States Committee on Human Rights, establish, report, 12386
 - United States Corrections Service, establish, hearings, 12306
 - United States District Court for D.C.:
 - liens established by judgment or decree, recordation by recorder of deeds, report, 12385
 - transfer authority rel. to marriage license issuance—
 - law, 13533
 - report, 13641
 - United States Educational Foundation in Australia, agreement, 15770
 - United States Educational Foundation in Italy, agreement, 11842
 - United States Educational Foundation in Netherlands, agreement, 11861
 - United States Envelope Company, inspection tour, report, 4554
 - United States Information Agency:
 - appropriations, 1967, law, 501
 - appropriations, 1968—
 - hearings, 10632, 16390
 - reports, 10616, 16372
 - biographic register, 14670
 - domestic dissemination of materials, prohibit, etc., report, 10767
 - field staff, Foreign Service list, 3349
 - Foreign Service personnel system, improve, hearing, 17653
 - housing at Brewerville, Liberia, potential savings through constructing rather than leasing, GAO report, 6379
 - magazine reprint MR series, 3532
 - report to Congress, semiannual, 7216, 17274
 - retirees, prospective, general information for, 8721
 - United States-Israel Educational Foundation, agreement, 11874
 - United States-Japan Committee on Scientific Cooperation, 1st 5 years, 1961-66, major activities, etc., 13138
 - United States magistrates, establish office, report, 13810
 - United States Mission to United Nations, biographic register, 14670
 - United States-Puerto Rico Commission on Status of Puerto Rico:
 - background studies, 2960
 - hearings, 763, 2068, 10690
 - report, 2959
 - United States reports, *see* Supreme Court.
 - United States Travel Service:
 - annual reports, 5578, 17277
 - press releases, 3766
 - 10th program report, 5579
 - United States-United Kingdom Educational Commission, agreement, 13149
 - Universal military training and service act, *see* Military service.
 - Universities, *see* Colleges and universities.
 - University of Alaska:
 - transfer Alaska Agricultural Experiment Station to—
 - law, 366
 - report, 660
 - University of California:
 - carillon, duty-free entry, 7649, 14887, 16355

University of California—Continued
marine biological research laboratory, use
of land donated, hearing, 746

University of Maine :
land, permit disposal—
hearings, 16303
report, 16276

University of Tennessee, Agricultural Re-
search Laboratory, research, progress re-
port, 7425

Univibrator circuits, *see* Circuits.

Unlading and lading :
airdrop of supplies and equipment, rigging
typical supply loads, 8887
fresh fruit and vegetable unloads—
eastern cities, 7830
midwestern cities, 7832
southern cities, 7833
totals for 41 cities, 7834
western cities, 7831
lettuce, load pattern effect on transit tem-
peratures and crushing in transcon-
tinental shipments, 11916
steel products, recommendations of trade,
amdr., 6920
watermelons, heavier loading in rail cars
and piggyback trailers, damage and cost
reduction study, 10154

Unloading, *see* Unlading and lading.

Unparalleled opportunity for employment of
handicapped (address), 8616A

Uota, M., quality and display life of carna-
tion blooms after storage in controlled
atmospheres, 15863

Upchurch, Robert E., subject headings used
by USAEC Division of Technical Informa-
tion, 128

Upconverters, parametric, increases flexibi-
lity of maser, 9859

Upland cotton, *see* Cotton.

Upper Cretaceous period, *see* Cretaceous
period.

Upper Cumberland Coal Reserve District,
land disturbances from strip-mining, 8077

Upper Great Lakes Regional Commission :
alternate cochairman, nomination of Har-
old C. Jordahl, jr., hearing, 16433
new approach to economic development,
17281

Upper Klamath National Wildlife Refuge,
birds, list, 15262

Upper Marlboro, Md., motor carrier accident,
16873

Upper Ordovician period, *see* Ordovician
period.

Upper Pennsylvanian period, *see* Pennsyl-
vanian period.

Upper Silurian period, *see* Silurian period.

Upper Volta :
background notes, 10095
capsule facts for Armed Forces, 15910
labor conditions, 2520

Upshur County, W. Va., coal, preparation
characteristics, 14358

Upward bound, program to help youth from
low income families achieve college educa-
tion, etc., 9385

Ural electronic computers, *see* Electronic
computers.

Uranium :
and thorium-bearing minerals, glossary,
17819
carbide cathodes of solid solutions, evap-
oration rates, 6532
concentration and isotopic composition in
reactor fuel element solutions, 13333
deposits—
epigenetic, in sandstone in United
States, geology, 8167
Laguna district, N. Mex., 8165
Moab, Monticello, White Canyon, and
Monument Valley Districts, Utah and
Arizona, 6391
Ralston Buttes district, Jefferson
County, Colo., 15308

Uranium—Continued
discovery of uranium-233 (remarks), 1240
enrichment services criteria and related
matters, hearings, 1976
geology and uranium deposits of southern
Black Hills (series), 12597, 14168
mining, radiation hazards, guidance for
control, 17761
phase relations in uranium monocarbide
region of system uranium-carbon-oxygen,
12821
recovery by fluid-bed fluoride volatility
process from spent alloy fuels, 9793
western project, mechanical samplers in
use at Grand Junction, Colo., design and
descriptions, 15963

Uranium carbide, phase relations in mono-
carbide region of system uranium-carbon-
oxygen, 12821

Uranium dioxide, UO_2 fuel systems for wa-
ter applications, development and testing,
8902

Uranium hexafluoride, handling procedures
and container criteria, 1706, 13340

Uranium isotopes :
quantitatively determined by modified
method of atomic absorption spectro-
photometry, 14368
U-235, reactor fuel, fission product nu-
clides, identification for dose calcula-
tions following accident, 13349

Uranium oxides, thermal decomposition in
vacuum, USSR study, 16743

Uranyl phthalocyanines show promise in
treatment of brain tumors, 12842

Urban America, goals and problems, 14921

Urban areas, *see* Cities and towns.

Urban planners, *see* City planners.

Urban planning, *see* Redevelopment (city
planning, etc.).

Urban policy, *see* Redevelopment (city
planning, etc.).

Urban Problems, National Commission, *see*
National Commission on Urban Problems.

Urban public transportation, selected refer-
ences, 2385

Urban renewal, *see* Redevelopment (city
planning, etc.).

Urban renewal manual, 4009

Urbanization and its impact on mineral ag-
gregate industry in Denver, Colo., area,
6637

Urbanization and mineral aggregate indus-
try, Tucson, Ariz. area, 5165

Urethanes, polyurethane adhesive, use of
nonwoven glass fiber mat to reinforce,
11450

Urga-Ferraro, Francesco, relief, 10541,
13511, 13757

Urga-Ferraro, Giovanni, relief, 10541,
13511, 13757

Uric acid :
levels in parotid fluid, effect of—
rate of gland function, 11959
uricosuric drug administration, 11960

Uricosuric drug, *see* Probenecid.

Urie, Dean H., waterline erosion control es-
sential to streambank rehabilitation,
14099

Urinals, trim, standard of trade, 5287

Urinalysis, *see* Urine.

Urine :
creatinine excretion as index of fat-free
mass composition in rats, 7415
excretion of steroids and catecholamines
during exposure to oxygen-helium at-
mosphere, 7366
immersion diuresis, 15896
renal excretion of solutes in rabbits, ef-
fect of $-7G_x$ acceleration, 14776

urinalysis—
automated technique determines con-
centration of creatine, etc., by colorim-
etry, 14437
laboratory procedures, 10221

INDEX 1967

Urtle, S. J., late planting improves loblolly survival, 8119

Uruguay:

- background notes, 11821
- livestock and meat industry, 11098
- mineral industry, minerals yearbook chapter, 11361
- radio communications between amateur stations on behalf of 3d parties, agreement, 5545

USAECC, *see* Atomic Energy Commission.

USAF instructors journal, 4011

USAF Scientific Advisory Board, *see* Scientific Advisory Board, USAF

USAFI, *see* Armed Forces Institute.

USAPRO, *see* Army Personnel Research Office.

USASCAF pamphlet, 4229

USATEA, *see* Army Transportation Engineering Agency.

USDA, *see* Agriculture Department.

Usdin, Earl, psychotropic drugs and related compounds, tabulation, 11752

Use of color for safety, safety in industry, instructor outline, 8297

Use tax, District of Columbia, exempt House of Representatives majority and minority rooms, printing operations, etc., report, 9087

User's guide to technical library services, 10265

USA, *see* United States Information Agency.

USS Cascade, *see* Cascade (USS).

USS Shenandoah, *see* Shenandoah (USS).

USSR, *see* Union of Soviet Socialist Republics.

USTS, *see* United States Travel Service.

Utah:

- census of agriculture, 1964, State and county statistics, 13410
- census of manufactures, 1963, area statistics, 1852
- census of mineral industries, 1963, area statistics, 5843
- climatological data, 3096
- coalfields, low-temperature carbonization product yields, estimation, 14345
- coking properties of selected coals and blends, 11377
- convey relict lands lying below meander line of Great Salt Lake, hearing, 4643
- county business patterns, 12063
- early Indian tribes of Lower Plateau, 6437
- electric rate book, 11025
- Green River formation, geology and fuel resources, 12610
- Iron Springs district, geologic interpretation of aeromagnetic survey, 11173
- mineral industry, minerals yearbook chapter, 5121
- Mojab Needles area, regional geophysical investigations, 2368
- northern, soil moisture depletion by gambel oak, 4831
- phosphate industry and its resources, evaluation, 11370
- postal map, 5400
- precipitation data, hourly, 3401
- radioactivity, airborne, 1952-55, maps, 1802
- southwestern —
 - coal resources for steam-electric power generation plants, 8341
 - Upper Triassic and Triassic (?) formations, correlation, 6393
 - Zion Park region, Carmel formation review, 11168
- water supply outlook and snow survey, 4050

Utah Territory, service records, microcopy, pamphlet to accompany Union Army volunteers, 18073

Ute Indians:

- Confederated Bands of Ute Indian Tribes, judgment funds, distribution—
 - law, 13540
 - report, 9114
- southern Ute Tribe of Southern Ute Reservation in Colorado, funds, disposition, report, 7778

Ute Mountain Indian Reservation, geology and availability of ground water, 6409

Ute Mountain Tribe of Ute Mountain Reservation, rights and interests in certain lands held in trust, determine, report, 13832

Utensils, *see* Implements, utensils, etc.

Uterus:

- cancer, 14628
- precancer and cancer of cervix uteri, differential cytological diagnosis using fluorescence and phase-contrast microscopy, USSR study, 12700

Utilities:

- Job Corps men's and women's centers, facilities maintenance and utilities operations handbook, 7876
- Military Academy, provide without charge to certain civilian instructors, etc.—
 - law, 430
 - report, 933
- water and wastewater, capital expenditures, 1964 distribution, 4260
- see also* Public utilities.

Utility companies, *see* Electric utilities—Public utilities.

Uwharrie National Forest, deer browse resources, 8124

Uzbek Soviet Socialist Republic:

- Academy of Science, work reviewed, 8272
- contributions of Uzbek scientists to Republic's development outlined, 12671

V

V.A., *see* Veterans Administration.

VA, *see* Veterans Administration.

VA fact sheets IS (series), 5586

Vacation house, building plan, 8837

Vacation pay, *see* Wages.

Vacations:

- national-forest vacations, 11107
- vacation home study, 1966, northern New England, 18116

Vaccination, reactions to bacterial antigens after irradiation, USSR study, 9665

Vaccine:

- controls over use in hog cholera eradication program, GAO review, 9549
- live, development in Soviet Union, survey, 9618

Vacuum:

- applications to cryogenic temperatures, feed-thru flange useful, 6778
- cardiovascular responses in anesthetized dogs during repeated decompressions, 78
- chamber evacuation, quartz crystals detect gas contaminants, 14416
- chamber remotely sealed by eutectic metal, 11390
- changer, clean with 1-watt refrigerator, 12930
- combination double door high-vacuum valve provides access to vacuum chamber, 9825G
- cryogenic cooling reduces high voltage arcing between electrodes operating in vacuum, 5146
- electrothermy, processes and apparatus, USSR study, 12720
- environment, screw-seal performance, 6885
- flash vapor deposition in vacuum, evaporant feed device facilitates process, 16955
- free jet impingement normal to curved surface, 9897
- high and super-high vacuum physics and technology, scientific and technical conference, USSR, 11250

Vacuum—Continued

- high temperature, fatigue testing of type 316 stainless steel and Inconel X with resonance-type machine, 11676
- improved rolling element bearing provide low torque and small temperature rise in ultrahigh vacuum environment, 6835
- machine tests slow-speed sliding friction in high vacuum, 17989
- measurement, bibliography and index, supplement, 12984
- outgassing rates of solid rocket fuels, 5262
- rapid decompression and exposure of fresh foods, 1735
- rhenium, single-crystal and polycrystalline, friction characteristics in vacuum, 9912
- solar X-ray spectrum reproduced in vacuum, 12895
- switchgear, survey, 5140
- thermal decomposition of uranium oxides in USSR study, 16743
- ultraviolet—

below 500 Å, continuously operating source, 5224

ion chambers simplify absolute intensity measurements in, 1447

Vacuum cleaners, industrial plant equipment handbook, 4674

Vacuum gages, volume-ratio calibration system used, 6802

see also Ionization gages.

Vacuum seals, rubber and alumina gaskets retain inside high temperature EMF cell, 5141

Vacuum systems, small volume, ultrahigh, for ionization gage studies, 18037

Val, Antonio S., relief, 16200

Valhyteuthidae, see Squids.

Valdes, Cruz, Oscar, relief, 534

Valdés-Fauli, G. F., relief, 13765, 16208

Valdes-Rodriguez, Julio, relief, 9200, 12145, 12213

Valentine National Wildlife Refuge, native sandhills grasses, description, etc., 16621

Valera, Jaime E. Condom, see Condom Valera, Jaime E.

Vallbona, C., effect of bedrest on various parameters of physiological function, effect of bedrest on circulatory response to Valsalva maneuver, 2595

Valley, James L., mineral industry of Georgia, 2552

Vallerie, Leroy L., peripheral vision displays, 12865

Valuation, practices of local cooperative grain elevators, 15235

Value engineering, reduce costs and improve equipment, 4682

Valves:

check valve installation in pilot operated relief valve prevents reverse pressurization, 6815

closure, actuator device schedules rate, 6840

combination double door high-vacuum valve provides access to vacuum chamber, 9825G

effectively control amount of contaminant in flow stream, 6838

Federal item identification guides for supply cataloging, supplements, 3288

fuel and oxidizer valve assembly employs single solenoid actuator, 9825B

in-tank shutoff, provided with maximum blast protection, 2645

labyrinth-type valve seat increases valve life by decreasing fluid velocity, 1444

leakage through closed valves, correlations for predicting, 17038

miniature, accurately controls small volume fluid flow, 5142

modulating for programmed temperature

2

relief valve poppet stroke, use of aspirator to increase, 12890

Valves—Continued

remotely operated high pressure valve protects test personnel, 15551

solenoid design has one moving part, 14425

solenoid, monitoring circuit accurately measures movement of, 2676

solenoid-valve actuations, control with variable-pulse switching circuit, 8456

spool, cycles at controlled frequency, 2635

technology, advanced, NASA contributions to, 15518

Teflon sheet permits valve and valve actuator to move as single unit in cryogenic pipe line, 6698

temperature responsive valve withstands high impact loading, 14427

two-spool solar-Brayton system turboalternator, valve-speed control, 5257

vortex, for medium temperature solid propellants, 2651

Vanadium:

ductile, electrolytic process for producing, 12825

electron-beam purification, 15480

mineral industry survey, monthly, 4032

scrap, molten-salt electrorefining, 17916

Ti-8Al-1Mo-1V simulated wing structure, fusion welded, fatigue behavior, 16905

vanadium-base tungsten and chromium alloys, properties, 9780

Vanderbilt Mansion National Historic Site, general information, 2759

Vandergrift, A. E., mechanism of mass transfer through liquid interface, 8215

Vanderveen, John E., study of man in oxygen-helium atmosphere, nutritional evaluation of feeding bite-size foods, 83

Van Deusen, B. D., statistical technique for dynamic analysis of vehicles traversing rough yielding and non-yielding surfaces, 8407

Van Dolah, Robert W., sympathetic detonation, 5131

Van Doren, Ron, missionaries in classroom, 6188

Vanes, variable-geometry guide vanes, use to control rotor-inlet flow conditions, 5275

Van Hooser, Dwane D., southern pulpwood production, 17809

Van Sickle, Charles C.

East Texas' timber harvest, 2323

factors for converting Midsouth pulpwood from cords to cubic feet, 8096

forest industries in Appalachia counties of Tennessee, 16666

Van Stee, Ethard W., effect of sodium acetate on TmPAH depressed by exposure to hydrazine, 4177

Van Thiel, M., compendium of shock wave data, 5793

Vapor-chamber fin studies, transport properties and boiling characteristics of wicks, 14379

Vapor pressure:

metal halides, $\text{SnCl}_2\text{-ZnCl}_2$ binary system, 16564

new class of compounds have very low vapor pressures, 12838

pure liquid nitrogen, 6639

refractory materials with low thermal absorption cross sections, data extrapolated to 1000 atmospheres, 18015

vapor gap osmotic distillation process, 2394

Vaporization:

potassium, high temperature, in forced convection at saturation temperatures of 1800° to 2100° F, 14391

propellant, frequency response characteristics, analysis, 5235

Vaporizers, classification definitions, 18122

Vapors:

interfacial behavior following termination of outflow in weightlessness, 8501

INDEX 1967

Vapors—Continued
sodium potassium and cesium, expansion and flow characteristics, 2717
water-vapor electrolysis cell with phosphoric acid electrolyte, 12858
welding, bonding, and sealing of refractory metals by vapor deposition, 14432
see also Mercury vapor—Water vapor.

Vargo, Franklin J.:
basic data on economy of Surinam, 16103
foreign trade regulations—
Bahamas, 7576
Barbados, 9019
Bermuda, 9017

Variable reluctance switch avoids contact corrosion and contact bounce, 11465

Variable stars, see Stars.

Variables (mathematics):
computer optimization program finds values for independent variables that minimize dependent variable, 17958
multiple correlation computer program determines relationships between several independent and dependent variables, 16361
variable-structure automata, USSR study, 17861
variable turbine geometry for small gas turbine engines, 11996

Variance and covariance of life table functions estimated from sample of deaths, 8657

Variation (biology):
mutagenic activity of chemical compounds, and genetic effect when combined with ionizing radiation, USSR studies, 2438

Variational principle for stationary magneto-hydrodynamic equilibria, 12008

Variouse reins, cause, treatment, etc., 2815

Varnes, David J., general and engineering geology of United States Air Force Academy site, Colo., 11179

Varnish and varnishing:
current industrial reports, 3169, 10357
safety engineering in painting and varnishing shops, USSR book excerpts, 15363

Vascular plants, see Plants.

Vascular system, see Cardiovascular system.

Vasilopoulos, Ioannis A., relief, 344, 543

Vasquez, Carlos R. Flores, see Flores-Vasquez, Carlos R.

Vaughan, George G., operations hygrade, anatomy of shutdown, 13972

Vaughan, J. A., coal, Pennsylvania anthracite, 2535

Vaughan, W. W., simple mercury vapor detector for geochemical prospecting, 9568

Veal, in family meals, guide for consumers, 5630

Vector diffraction theory, 7935

Vector integral equations, see Equations.

Vectors (mathematics), see Mathematics.

Vegetable gardens, see Gardens.

Vegetable products, see Agricultural products.

Vegetables:
bright jewels, guide, for program aides in home economics, 4133
commercial processing, acreage marketing guides, 6127
containers, standard acts of 1916 and 1928, repeal
hearings, 754, 4636
report, 889
culture, etc., publications, price list, 5417
disinfection by gamma irradiation, dosimetry, tolerance, and shelf life extension, annual report, 5794
Florida, marketing, 1966 summary, 7839
fresh—
acreage, production, etc., 5560
prices, 1966, Chicago and New York City, 10203
reducing transport damage in top-loaded shipments in bushel baskets, 5646

Vegetables—Continued
fresh—continued
shipments by States, commodities, etc., 10873-874
unloads—
eastern cities, by commodities, States, etc., 7830
for 41 cities, 7834
midwestern cities by commodities, States, etc., 7832
southern cities, by commodities, States, etc., 7833
western cities, by commodities, States, etc., 7831

fresh market—
acreage and estimated production, monthly report, 4034
acreage, production, and value, 1959-65 revised estimates, 14762
market news, weekly summary, 3361
gardening in Caribbean area, 15836
home—
canning, 15850
freezing, 11930
how to use USDA grades in buying, 5671
insects and diseases in home garden, 10171
irradiation preservation, 1784
perishable agricultural commodities act, fair trading in vegetable industry, 13236
processed—
plants under USDA, continuous inspection, list, 16447
standards for grades, 6135
USDA inspection service, 11937

processing—
acreage, production, etc., 1959-65 revised estimates, 14761
1966, annual summary, 5561
statistical report, 4035
seeds, foreign agriculture circulars, 3345
shelf life, extending by use of radiation technology in postharvest procedures, 5792
some good choices for thrifty family, variety selection and use, 9330
spring, acreage market guide, 4661
storing in basements, cellars, outbuildings, and pits, 5631
summer and fall, acreage marketing guide, 7828
vegetable situation, 4033
vitamin A, good choice for thrifty family, selection, 9337
vitamin C, good choice for thrifty family, selection, cook suggestions, 9338
winter, acreage marketing guides, 962, 16441
zinc deficiency in western crops, 5640
see also Horticultural products.

Vegetation:
central Tibet, Chinese studies, 6558
Cluj City area, Rumania, radioactivity, studies, 1299
control, railroad beds, chemical methods, USSR study, 12704
dune stabilization, on Outer Banks, N.C., 16523
ground cover response on campgrounds after trampling, 14138
understory, mowing in young teak plantation, 12574
vegetation and hydrologic phenomena (series), 11171
Yukon Flats region, Alaska, research report, 5725

Vegetative key to some common Arizona range grasses, 11141

Vehicle Systems Research Office, program, tire research related to safety (lecture), 9946

Vehicles:
administrative wheeled, treatment, painting, etc., military standard, 4678
electrical transmission, classification definitions, 18131

Vehicles—Continued

- equipment components, Federal item identification guides for supply cataloging, supplements, 3285
- identification marking of combat and tactical transport vehicles, 12443
- mechanically powered hoisting vehicles, maritime safety data, 12765
- military, symbols to supplement text of instruction plates, military standard, 15197
- statistical technique for dynamic analysis of vehicles traversing rough yielding and non-yielding surfaces, 8407
- see also* Airplanes—Electric vehicles—Firefighting vehicles—Lunar roving vehicles—Motor vehicles—Parking of vehicles—Rockets—Spacecraft
- Velasquez Huerta, Ramiro, relief, 13605, 17533

Vela Uniform program:

- Project Dribble, Salmon event, seismic decoupling at nuclear level, 1808-10
- experiment, Tatum Salt Dome, Miss., 8911

Velocity:

- air current, electronic-mechanical method of measuring, USSR study, 1178
- display, rectilinear, in spacecraft entry monitoring system, 14439
- flow, measurements, tracer-spark technique, structure of spark columns in hypersonic stream, 12856
- gas, measured by laser Doppler flowmeter, 6847
- high-velocity metalworking survey, 11428
- meteoric, ionization probability of iron particles, 11406
- minimum initial impulse under arbitrary initial vector, optimum transfer between 2 terminal points, 1427
- photographic method measures particles size and velocity in fluid stream, 6826
- pseudo-sonic, concept in 2-phase flows, 2712
- smoke-wave technique for measuring velocities in air, evaluation, 10293
- solids colliding at high speeds, interaction, USSR study, 16744
- stream with sinusoidally fluctuating velocity in longitudinal direction, drag measurements, 5749
- variable-length constant-velocity traveling magnetic wave plasma accelerator, experimental investigation, 18034
- velocities and streamlines, calculating for 2-dimensional, incompressible flow in axial blade rows, 5245
- velocity and concentration profiles in reverse osmosis systems, simultaneous development, 11218
- velocity-head coefficients in open channels, 1133
- wind velocity and temperature combinations, recurrence in lower 100-m layer of atmosphere, experimental calculation, 11565

- Velveten, cotton fabrics exports, trade agreement with Italy, 11845

- Venable, H. Dean, thermionic diode controlled power system, 1433

- Venango County, Pa., underground combustion oil-recovery experiments in Venango second sand, Reno pool, 11372

Vending machines:

- business, starting and managing, 8679
- coin operated, current industrial reports, 13397
- current industrial reports, 4344

- Veneer lathe, 11308

- Veneer logs, *see* Logs.

- Veneer mills, closures hardwood face, Michigan and Wisconsin, 2308

Veneers:

- Federal item identification guides for supply cataloging, supplements, 3288

Veneers—Continued

- hardwood face, manufactured in Michigan and Wisconsin, distribution methods and end-uses, 8074
- recovery volume and value, computer program for calculating, 16644
- southern pine veneer cores, straight studs as byproducts, 8120
- veneer volume and grade recovery from ponderosa pine in southwest, 14115
- veneer yields from Lake States, quaking aspen, 1095

- Venerical diseases, fact sheet, 1966, basic statistics on problem in U.S., 16066

- Venezia, R., air pollutant emission inventory, 5439

- Venezky, D. L., protective coating for magnesium alloys, coordination chemistry of magnesium ion, 10013

Venezuela:

- background notes, 1623
- economy, basic data, 5954
- long term forecasts of supply and demand of agricultural and livestock products, summary and evaluation, 12456
- mineral industry, minerals yearbook chapter, 12809

- Venous occlusion, *see* Embolism.

- Venous occlusive cuffs, effects of 9-alpha-fluorohydrocortisone and venous occlusive cuffs on orthostatic deconditioning of prolonged bed rest, 7365

- Ventana primitive area, mineral resources, 12604

Ventilation:

- air handling systems and fire protection, 12594
- crossflow system for grain storages, 7248
- shipboard, for hazardous atmospheres, safety in industry, maritime safety data, 8299

- Venting, propellant tank, in zero-gravity environment, 5164

- Ventricles, *see* Heart.

- Ventricular fibrillations, multifocal premature contractions, ECG finding of grave significance, 15897

- Vents, toroidal ring prevents gas ignition at vent stack outlet, 9853

- Venue, civil action amendment, law, 428

Venus (planet):

- atmosphere, investigation, 5276
- meteorology, summary of available knowledge, 11410
- nominal natural environment for advanced planetary mission programs, 8436
- physical properties, handbook, 14404

- Verde River, water supply outlook and snow survey, 4044

- Vereinigte Staaten von Amerika, Hinweise für die Zollabfertigung für Reisende ohne ständigen Wohnsitz in den Vereinigten Staaten, 13908

- Vermeer, James, cropland conversion program, description and appraisal, 9388

Vermilion River and Valley:

- basin, engineer report—departmental edition, 4741
- document edition, 4479

Vermont:

- area measurement report, 4269
- census of agriculture, 1964, State and county statistics, 7590
- census of mineral industries, 1963 area statistics, 5844
- county business patterns, 10351
- electric rate book, 11026
- mineral industry, minerals yearbook chapter, 1405
- postal map, 5392

- Vernon, Richard W., pressure characteristics of nonwetting, condensing flow of mercury in sodium potassium-cooled, tapered tube, 1498

- Vertebrates, small, enzyme method of clearing and staining, 11605

INDEX 1967

vertigello, Elizabeth C., or heirs, relief, 610
 Vertigo, siccators, 17339
 Vesper, William H., behavior of beach fill and borrow area at Sherwood Island State Park, 13976
 Vessels, see Shipbuilding—Ships.
 Vessels (utensils), see Implements, utensils, etc.
 Vested benefits, 5591
 Vestibular apparatus:
 adaptation to vestibular disorientation—
 eye-movements and subjective turning responses to 2 durations of angular acceleration, 15980
 responses to angular acceleration and to bilateral caloric stimulation following unilateral caloric habituation, 10322
 special effects of brief periods of visual fixation on nystagmus and sensations of turning, 15981
 humans and animals, USSR studies, 17864
 role of vestibular organs in space exploration, 5191
 Vestibular stimulation, disorientation, influence on adaptation of interrupting nystagmic eye movements with opposing stimuli, 7447
 Vestibular system, and human dynamic space orientation, 1428
 Vesting orders, German paintings, under trading with the enemy act, transfer to Germany, hearing, 741
 Vestnik of USSR Academy of Medical Sciences (periodical), 4036
 Vestnik of USSR Academy of Sciences (periodical), 4037
 Veterans:
 America's servicemen and veterans, legislative proposals, message from the President, 5993
 attention new veterans! older veterans! Veterans Employment Service will help you start or resume your civilian career, here are facts, 15220
 benefits—
 availability and eligibility requirements, legislation passed during 89th Congress, 1660
 available for veterans and dependents, fact sheet, 5586
 brief explanation, 11891
 for you from a grateful nation, 18250
 laws, compilation, 755
 slide chart calculator, 6045
 State laws, digests, 16345
 claims, settlement, agreement with Philippines, 17234
 code of Federal regulations, 11043
 county veteran population, Dec. 1966, estimates by States, 17283
 deceased or disabled, educational assistance for their sons and daughters, 17285
 disabled, benefits, 2966
 employment services, 1020
 home-buying guide, 17286
 home mortgage insurance, FHA, 11201
 hospitalized writing contest news, 5584
 jobs, now, about that job, A B C's for veterans, 14715
 laws, compilation, supplement, 1995
 legislative recommendations of organizations, hearings, 9172
 loans, VA guaranty and direct programs for housing, hearings, 12319
 medical care, history of Veterans' Administration medical program, 12318
 national service life insurance, regular dividend schedules, 8780
 nursing home care in Alaska and Hawaii, eliminate certain requirements, report 6007
 pensions and readjustment assistance act of 1967—
 law, 14133
 report, 14963

Veterans—Continued
 readjustment assistance, permanent program of education, etc., allowance increase, etc.—
 hearings, 7758, 10859
 law, 16133
 report, 10792
 reemployment rights, information sheet, 17288
 United States, census 1960, personal, family, housing characteristics of men who served in Armed Forces during war and peace, 9175
 Vietnam conflict—
 additional wartime benefits, hearings, 7759
 pension and readjustment act of 1967, report, 7712
 Vietnam disabled, rehabilitation (remarks), 18143
 Vietnam era readjustment assistance act, reports, 4507, 4596
 World War I, loans made upon security of adjusted-service, certificates, cancel certain unpaid interest—
 law, 449
 report, 918
 see also Life insurance—Pensions.
 Veterans Administration:
 acquired residential properties, savings possible by consolidating management, GAO report, 11158
 appropriations, 1967, supplemental, hearings, 2040
 appropriations, 1968—
 hearings, 9145, 15147
 reports, 10600, 15131
 benefits in brief, serving those who served, 11891
 building management officers, career opportunities, etc., 18249
 brain research, 8783
 career opportunities—
 manual arts therapists, 14713
 practical nursing, 10127
 psychology, examination announcement, 12113
 careers in automatic data processing, 17287
 cost reductions, 5587
 hospital and medical program, operations, 9173
 hospital, location in Riverside-San Bernardino area, Calif., establish, hearings, 10682
 hospitals—
 construction, modernization, employee benefits, etc., hearings, 9174
 veterans' views on medical care, 1967 survey, 10683
 hospitals and clinics, corrective therapists, career opportunities, 15816
 housing loans guaranteed in Illinois, potential savings by revising procedures relating to default, GAO report, 11151
 land conveyance to—
 Batavia, N.Y.—
 law, 12167
 reports, 703, 6004
 Pinellas County, Fla.—
 law, 369
 report, 900
 Temple, Tex., report, 6006
 Tennessee for use of Memphis State University, hearing, 9326
 laws administered by, compilation, 755
 librarians, examination announcement, 10411
 loan guaranty and direct loan programs, etc., hearings, 12319
 management internships, 8781
 manual, 8780
 medical care of veterans, history of VA medical program, 12318
 medical research program 1966, synopsis, 2963

Veterans Administration—Continued
 medical research, reports, 4563, 7218
 medical training, major contribution to
 Nation's health resources, 8782
 mortgage foreclosures, handling by Justice
 Department—
 hearings, 15031
 report, 14947
 nursing home care programs, operation,
 hearings, 15050
 personnel information bulletin, 3681
 publications, index, 2961, 17282
 purchasing, VA invites you to submit your
 product or service, 2965
 report, 1966—
 departmental edition, 7217
 document edition, 5979
 research into spinal cord injuries, law, 419
 research monographs, 17283
 technical reports, 13171
 these are yours, salary, life insurance, etc.,
 employee information, 15815
 training and education of health service
 personnel—
 clarify responsibility, law, 489
 Public law 89-785, lack of implementa-
 tion, hearings, 16344
VA-Armed Forces Pulmonary Diseases Re-
search Conference, transactions, 13172
VA monographs, 17284, 18247
VA pamphlets, 1661, 2964-66, 5587, 7219,
8781-83, 10127, 13173, 14710-713,
15815-817, 17285-287, 18248-250
 you and VA, employee's guide, 2964
Veterans Administration Center, Dayton,
Ohio, residency training in internal medi-
cine, 15818
Veterans' Affairs Committee, House:
 calendar, 3485
 committee prints, 755, 4563, 9173, 9175,
 10683, 12318, 16345
 hearings, 7758-59, 9172, 9174, 10681-682,
 12319, 13718, 15050, 16344, 17613
 investigations and studies—
 authorization, report, 6019
 expenses, report, 7720
 reports, 703, 4496, 4507, 6004-7, 7709,
 7712
Veterans Appeals Board, rules of practice,
14710
Veterans Canteen Service, Veterans Admin-
istration, examination of financial state-
ments, 1966, GAO examination, 4865
Veterans hospitals:
 amendments of 1966, law, 489
 building management officers, Veterans
 Administration, career opportunities,
 etc., 18249
 career information for—
 librarians, 18248
 manual arts therapists, 14713
 occupational therapists, 14712
 social workers, 14711
 Columbia, S.C., operation, hearing, 13718
 construction, modernization, employee
 benefits, etc., hearings, 9174
 dietetic internship, 13173
 location in Riverside-San Bernardino area,
 Calif., establish, hearings, 10682
 medico-moral ethics for hospital ministry
 (papers), 15817
 operations of VA program, 9173
 use of Veterans Memorial Hospital, grants-
 in-aid for medical care, etc., agreement
 with Philippines, 14685
 VA nursing home care programs, opera-
 tion, hearings, 15050
 veterans' views on medical care, 1967 sur-
 vey, 10683
 volunteer workers, handbook, 1661
Veterans of Foreign Wars of United States:
 convention proceedings, 9054
 legislative program, hearings, 9172
Veterans organizations, legislative recom-
mendations, hearings, 9172
see also names of organizations,

Veterinarians:
 Agriculture Department, career opportuni-
 ties, 5657
 careers in Public Health Service, 18156
 examination announcement, amendment,
 12100
 trainee, summer employment for juniors
 in veterinary medicine, examination an-
 nouncement, 17463
Veterinary Biologics Division, notices, 5619,
15832
Veterinary instruments and apparatus,
equipment and supplies, Federal item iden-
tification guides for supply cataloging,
supplements, 3290
Veterinary medicine:
 Bulgaria, problems, 1208
 education facilities, construction grants
 and student loan program, law, 423
 role in future (remarks), 13253
 Veterinary supplies, *see* Veterinary Instru-
 ments and apparatus.
Veterinary zoology, *see* Zoology.
Vette, James L., models of trapped radiation
environment electrons at synchronous alti-
tudes, 8437
VFR, *see* Visual flight rules.
VHF, *see* Omnidirections.
Viaje por un nuevo mundo de manjares,
visite los Estados Unidos, 17280
Vibration:
 analysis of cylindrically curved panels
 with simply supported or clamped edges,
 5263
 analysis utilizing Mossbauer effect, 17962
 axisymmetric—
 paraboloidal shells of revolution, differ-
 ential equations, 17946
 partially liquid-filled cylindrical con-
 tainers, 12942
 channel, monitoring system determines am-
 plitudes and time, 8479
 compressor blades, reduced by wire ma-
 terial, 6824
 concrete, study, review of literature,
 13985
 coupled vibration and dissociation relaxa-
 tion behind strong shock waves in car-
 bon dioxide, 6908
 diseases, prophylaxis, USSR study, 11265
 earth, from nuclear explosion in salt dome,
 Project Dribble, Salmon event, 8911
 heat exchanger tubes supported in high
 vibration environment, 5220
 hollow elastic cylinder bonded to thin
 casing of different material, 18048
 in space vehicles, 17705
 loads, cushioned by friction brake, 6771
 longitudinal and torsional, in nonuniform
 multibranch beams, matrix analysis,
 6886
 matrix-holzer analyses for fully-coupled
 vibrations of clustered launch-vehicle
 configurations, 5158
 measured dissociation-rate constants and
 their effects on coupled vibrational-dis-
 sociational flows of oxygen over wedge,
 interpretations, 12943
 measurement of low frequency, vibrations
 in big helicopters and their transmission
 to pilot, 11564
 mechanical, effect on performance of super-
 conducting magnets, 11511
 molecular vibrational frequencies, tables,
 8524, 18077
 Monticello Dam studies, 17181
 nonlinear flexural vibrations of thin-
 walled circular cylinders, 14482
 pressurized torus shell, study, 16907-908
 prestressed shells of revolution, 6878
 rectangular plates with various boundary
 conditions, effect of edge loadings, *er*
 rata, 12919
 reducing machinery vibration by use of
 post stressed concrete foundation, 15189

INDEX 1967

Vibration—Continued
 rocket engine, accurately measured by
 photography, 6812
 shock and vibration monograph series,
 17795
 structural, interaction with sound fields,
 9835
 system precisely controls oscillation of
 vibrating mass, 16938
 test platform, produced limitations on
 inertial sensor testing, 1492
 testing, air spring suspension system,
 automatically controlled, 9881
 upper and lower bounds for eigenvalues of
 vibrating beams with linearly varying
 axial load, 2609
 vibrating slope method for measuring con-
 crete workability, 4742
 Vibration mounts, resonant frequency can
 be adjusted, 6829
 Vibrators, elapsed operating time, automati-
 cally controlled, 15548
 Vibratory compaction of mine hydraulic
 backfill, 9774
 Vice President of United States :
 election campaign fund act—
 laws, 513, 9177, 12168
 legislative histories, 7762, 13719
 reports, 702, 10614
 Senate amendments, summary, 4567
 elections, amend equal time provisions of
 communications act, hearings, 16400
 Vleino, Frank L., decision making with up-
 dated graphic vs. alpha-numeric informa-
 tion, 10282A
 Vicksburg, Miss., Mississippi River and trib-
 utaries in district, stages and discharges,
 12477
 Victorella, new species from southern Cali-
 fornia, 9953
 Vidal Santiago, Jorge S., relief, 13746
 Video display systems, see Display systems.
 Video recording system, recording and time
 expansion technique for high-speed, single-
 shot transient video signal, 11468
 Videon, F. F. :
 apparent crater studies, 4237
 crater measurements, 4236
 Vidicons, IR scanner monitors many test
 points, 15545
 Vientiane, Laos, plain, socio-economic study,
 6578
 Viet Cong terror tactics in South Viet-Nam,
 17218
 Viet-Nam, see Vietnam.
 Vietnam :
 answering aggression in Viet-Nam (re-
 marks), 18228
 Armed Forces members voluntarily ex-
 tending tour of duty in hostile fire
 area, authorize special 30-day period
 of leave—
 hearing, 716
 law, 448
 Asia, Pacific and United States, hearing,
 6099
 background information, revision, 13860
 central issue (discussion), 18229
 central, slash-burn agriculture among
 mountain tribes, 14246
 commercial commodity import program,
 followup investigation, report, 14997
 commodity import program, U.S., foreign
 aid, improper practices, hearings,
 10844
 conflict, effect on economy—
 hearings, 12187
 report, 13814
 conflict servicemen and veterans act of
 1967, message from the President, 5993
 dear student leaders, correspondence ex-
 change on Viet-Nam, 7143
 French reactions to American involve-
 ment, 5703
 Hungarian journalist reports on war, 4988

Vietnam—Continued
 imports, commercial, AID's management
 and operation of program, GAO review,
 15302
 in brief, U.S. commitment, etc., 14674
 income tax administration, agreement,
 15775
 information notes (series), 8713-16,
 11822-824, 13137, 14672-673, 17218-
 219
 maps, including indexes, etc., 16153
 print as House document, reports,
 16228, 16359
 Marine Corps small unit action, 8332
 news policies, hearings, 953
 North—
 air war against, hearings, 16394
 bombings of civilians by U.S., reports
 by pro-Communist eyewitnesses, 4955
 Cuban correspondents report, 15410
 East German couple interviewed North
 Vietnamese on Vietnam war, 12672
 East German couple reports on trip to
 North Vietnam, 11266
 Italian physicist tells of culture and
 civilization as bombs fall, 12699
 Madeleine Riffaud, Communist reporter,
 reports her visit, 1294
 mineral industry, minerals yearbook
 chapter, 11358-359
 translations, 3964
 trip of Harrison E. Salisbury, hearing,
 6105
 off-shore fishery development, agreement,
 17238
 path to Viet-Nam, lesson in involvement
 (address), 17220
 port situation, followup investigation,
 report, 14998
 postal services of U.S. Armed Forces, on-
 site inspection, report, 4505
 Republic—
 agricultural commodities, agreement,
 2902, 7179, 8734, 15783, 15804
 airlift and seallift to South Vietnam,
 report, 10809
 American civilians, application of Uni-
 form Code of Military Justice, 16334
 Army area handbook, 13297
 background notes, 11820
 basic data, 8713, 18822
 climate, annotated bibliography, 16539
 Communist-directed forces in South
 Viet-Nam, 8715, 13137
 Communist insurgent infrastructure,
 organization and strategy, 13298
 construction activities of United States,
 GAO report, 11159
 economy, basic data, 7577
 enemy threat, free world forces (other
 than U.S.), revolutionary develop-
 ment program, and economy, report,
 10811
 free world assistance, 8716
 mineral industry, minerals yearbook
 chapter, 11358-359
 minority groups, ethnographic study
 series, 5735
 national reconciliation in South Viet-
 Nam, 14673
 political development, 11823
 rehabilitation, other war in Vietnam,
 progress reports, 1151, 1627
 religions of South Vietnam in faith and
 fact, 14587
 shipping policy review, hearing, 743
 tunnels, environmental characteristics,
 15229
 U.S. Army status, report, 10814
 Viet Cong terror tactics in South Viet-
 Nam, 17218
 search for peace in Viet-Nam, 8714, 14672
 selected bibliography, 15805
 South, see, above, Republic.
 undeclared war, assistance to enemies of
 U.S., make punishable, reports, 2017,
 2019, 10618, 12263

Vietnam—Continued

- United States—
 - agencies audit and inspection programs, 1966, State Department International Development Agency, Defense Department, GAO review, 9553
 - economic program, illicit practices affecting, followup investigation, report, 14996
 - Govt. personnel in high-risk situation, additional benefits, report, 9295
 - veterans of conflict—
 - additional wartime benefits, hearings, 7759
 - pension and readjustment act of 1967, report, 7712
 - veterans returning disabled, rehabilitation (remarks), 18143
 - Vietnam era veterans' pension and readjustment assistance act of 1967—
 - law, 16133
 - reports, 4507, 4596, 14963
 - Vietnam in brief, U.S. commitment, etc., 11825
 - war, economic impact of Vietnam (remarks), 10453
 - why we fight in Viet-Nam, 11824
- Vietnam Week, Communist origin and manipulation, report, 7757
- Vietnamese language, basic courses, 7195, 10106
- Viets, Frank G., Jr., zinc deficiency of field and vegetable crops in West, 5640
- Viewers (photography):
 - devices for photo interpretation, relative effectiveness, 10283
- Vigilance:
 - auditory, as affected by signal rate and intersignal interval variability, 11346
 - effects of signal patterning upon vigilance performance, 8585
 - human and animal, bibliography and index, 9753
 - performance and physiological responses under fixed and variable schedules, 14590
 - signal presentation rate, auditory threshold and group vigilance, 11349
- Vignette of mountain peasant life, 15376
- Vila, Enrique A. Rojas-, *see* Rojas-Vila, Enrique A.
- Villagomez, Joaquin U., relief, 538
- Vilna, Lithuania, travel to Vil'nyus, Finnish brochure, 15429
- Vil'nyus, *see* Vilna, Lithuania.
- Vincent, Thomas L., treating optimal trajectories with restricted segments, 9805
- Vincent, W. S., International Symposium on Nucleolus, structure and function, 7074
- Vines, woody, for southern Great Plains, selecting, planting, etc., 1688
- Vinti, John P.:
 - differential corrections applied to his accurate reference satellite orbit with inclusion of 3d zonal harmonic, 15564
 - orbital prediction and differential correction using Vinti's spheroidal theory for artificial satellites, 8482
- Violation investigation and reporting, FAA handbook, 2233
- Virgin Islands:
 - agriculture departments, 1967 directory, 7836
 - climatological data, 3096
 - coast pilot, 17467
 - supplement, 7553
 - coastal warning facilities chart, 11905
 - commemorative air mail postal card (poster), 7039
 - county business patterns, 13385
 - dutiable status of watches, etc., amend tariff schedules—
 - law, 509
 - report, 911
 - Governor, etc., popular election, amend organic act—
 - hearings, 10852

Virgin Islands—Continued

- Governor, etc.—Continued
 - report, 10751
 - Governor, 1966 annual report, 14195
 - nautical chart catalog, 4415
 - nurses in public health, number, educational preparation, etc., 17155
 - social security tax guide for employers, 2402
 - soil survey laboratory data and descriptions, 14661
 - U.S., our Caribbean gems, description, history, etc., 18240
- Virgin Islands Corporation:
 - audit report, 14927
 - federally owned electric power and salt water distillation facilities, sale to government of Virgin Islands, GAO review, 8146
 - financial statements, 1966, GAO examination, 14151
- Virgin Islands National Bank, permit Edward C. Bower to serve as director prior to obtaining U.S. citizenship, 252, 782, 4497
- Virginia:
 - area measurement reports, 5815, 12035
 - census of agriculture, 1964, State and county statistics, 16036
 - census of manufactures, 1963, area statistics, 1853
 - census of mineral industries, 1963, area statistics, 5845
 - climatological data, 3096
 - county business patterns, 4320, 12382
 - fossil marine mammals from Miocene Calvert Formation, 1530
 - landings, fish and shellfish, 4038
 - annual summary, 16618
 - mineral industry, minerals yearbook chapter, 6669
 - precipitation data, hourly, 3401
 - timber resources, survey report, 15290
 - transit compact, approval—
 - hearing, 2132
 - law, 478
 - report, 654
- Virginia State Lines, Inc., motor carrier accident, 6476
- Viral coefficients, *see* Coefficients.
- Virology, *see* Viruses.
- Viruses:
 - biochemistry of viruses, USSR study, 15364
 - effect on chromosome rearrangements and mitotic activity in cells of human tissue cultures, USSR study, 4963
 - electron microscope technique, use in oncogenic virology, 8269
 - etiology of human leukemias, recent research, Rumanian studies, 6549
 - infectious, and tumor interaction, quantitative aspects, USSR study, 6580
 - research on evolution of virus theory of tumor origin, USSR study, 9655
 - Rous sarcoma, cystic lymphadenopathy of rats, pathogenesis, USSR study, 6554
 - simians, Rumanian studies, 6529
 - Soviet—
 - research in virology, 4993
 - studies, 9616
 - SV 40 virus, simian vacuolating agent, Polish study, 9653
 - tumor, and cell structure, virological studies, USSR, 6562
 - use of modified live virus vaccines to prevent hog cholera, GAO review, 9549
 - USSR studies, 6516
 - viral antibody production in animals exposed to space cabin environment, 74
 - viruses in oncology, USSR study, 14258
 - see also* Polyoma virus—also names of virus diseases.
- Visa Office, annual report, 2878
- Vis-A-Plan (visualize a plan) management technique provides performance-time scale, 15531

- Visa**: see Passports.
- Vision** seal design offers zero-leakage and wear free characteristics, 8170
- Viscosimeters**:
absolute viscosity measured using instrumented parallel plate system, 8467
capillary tube bore nonuniformity, correction, 14337
physical parameters for use in absolute gas viscosimeter, 11378
stainless steel coiled-capillary, steady-state laminar flow boundary conditions, 14350
- Viscosity**:
absolute, measured using instrumented parallel plate system, 8467
coefficients of dilute nitrogen and oxygen, 5293
dilute neon, krypton, and xenon, 11589
mix ratio for adhesives, use of flowmeter to determine, 17988
standard lead-silica glass, 1520
supersonic aerodynamics, effects, handbook, 1542
surface, of polydimethylsiloxane monolayers, 8592
- Viscous flow**, see Flow.
- Visibility**, improving during periods of supercooled fog, 7381
- Vision**, see Binocular vision—Eyes—Sight.
- Visiting housekeepers**:
homemaker services—
conference on personal care, 5460
how it helps children, 7512
- Visitors**:
international, plant tours for welcoming to U.S., listing, 11888
meet Americans at home, 10126
tax information for visitors to United States, 9600
- VISTA**, see Volunteers in Service to America.
- Visual acuity**, see Acuity.
- Visual aids**:
flexible containers inspection, 13901
graphic presentation, management tool, development of visual aids, handbook, 17691
metal containers inspection, 4662
rigid and semirigid containers inspection, 13900
USDA-C&MS visual aid series, 4662, 13901
- Visual attitude** orientation and alignment system, 11457
- Visual flight** rules, aviation, air traffic patterns, 17740
- Visual illusions** and aircraft accidents, 11958
- Visual instruction**, using visuals in agricultural extension programs, 16569
- Visual perception**, see Perception.
- Visual signals**, 5727
- Vital force**, energy, requirements of normal adults residing at 4300 meters for 28 days, 14806
- Vital partnership**, 9010
- Vital statistics**:
analytical studies, 5466, 7097, 8659, 17167
data evaluation and methods research 2842, 7096, 8657-58, 11762, 13098
data from national health survey, 5467
70, 7098, 8600-61, 10067-69, 11763
764, 13099, 14637-639, 17168-170
18188-189
data from National Vital Statistics System, 5471, 8662, 13715, 17171-172
provisional, monthly report, 3582
United States, 7099, 10070, 15716-717, 18190
see also Birth—Death—Still-birth.
- Vitamins**:
essential for growth of channel catfish, 8042
mechanism of artificial abortion by use of ascorbic acid, USSR study, 1276
salmon, diets, studies of vitamin levels, supplements, FDA fact sheet, 6359
- Vityaz** (USSR ocean survey ship):
biological problems studied, 11269
measurement of propagation velocity of elastic oscillations in surface layer of Indian Ocean water, 15353
- Vocational education**:
amendments of 1966, hearings, 4532
area vocational schools, vital part of Nation's educational system, 4707
bibliography, annotated, selected references, 1917-66, below college, 9414
bulletin, 7889
determining courses of study, 1017
improve programs—
hearings, 7742, 9153, 12419, 17664
reports, 9118, 10557
Indians, adult, program, appropriations, increase, report, 15079, 16283
Job Corps men's urban centers, vocational course entry requirements, 12448
new directions, case studies in change, 17719
programs, administration, rules and regulations, 7889
student loan insurance act of 1965—
amend, hearings, 15026
eligible institutions, list, 2181
supplement, 6181
program, payment tables and amortization schedules, 7910
vocational and technical institute, establish in D.C.—
law, 495
report, 693
vocational-technical program development, State reports, 6196
- Vocational guidance**:
counselor's desk aid, 18 basic vocational directions, summary information, 13969
interest check list, instructions for administering and using, 16516
services for New York City women, 5599
staff, guidelines for organization and operation of vocational evaluation units, training guide, 11892
- Vocational rehabilitation**, see Rehabilitation of the disabled.
- Vocational Rehabilitation Administration**:
annual report, 11894
grant programs, progress report, 5589
research and demonstration projects, 1967, annotated list, 10130
- Voegelein, L. Belle**:
classification—
class G, geography, anthropology, folklore, manners and customs, recreation, 5086
class L, education, 5087
class Q, science, 5749
class R, medicine, 5088
class U, military science, 2528
- Vogel, James A.**, cardiopulmonary responses of resting man during early exposure to high altitude, 7413
- Vogler, Raymond D.**, investigation over moving ground plane of transport airplane model, etc., 14477
- Vohr, John**, superlaminar flow between non-concentric rotating cylinders, 12852
- Voice** communication, partially masked by noise, transcriber confidence in relation to accuracy of transcription, 3751
- Voice of America**, 5-cent commemorative postage stamp (poster), 13051
- Voice of the silent stage**, 4723
- Volatilization**, see Evaporation.
- Volcanic ash**, tuff, etc.:
ash-flow sheet, compositionally zoned, in southern Nevada, 1120
ash flows associated with Creede caldera, San Juan Mountains, Colo., 8166
Irazú Volcano, ash eruptions and erosion control problems, 16686
- Volcanic rocks**, see Igneous rocks.
- Volcanoes**:
Hawaiian Observatory summary, 3391

Volcanoes—Continued

- United States, general information, 2373
- volcanic hazards at Mount Rainier, Wash., 9562
- Volk, Howard C., generalized potentials for scattering, 11543
- Vollmer, Bernhard, relief, 7634, 13485, 13733
- Volsky, Jorge A., relief, 573
- Voltage dividers, calibrated by simple device, 5145
- Voltage regulators:
 - low-input voltage converter/regulator minimizes external disturbances, 6843
 - voltage regulator/amplifier is self-regulated, 11480
- Voltages:
 - distortion effect of SNAP-8 alternator speed controller and alternator performance results, 12950
 - electronic circuit provides accurate sensing and control of dc voltage, 8396
 - hazards of low voltage electricity, 9711
 - high voltage calibration facility, design and operation, 5292
 - quadrature, at variable frequencies, use parallel-T network for developing, 5361
 - surveillance of volt maintained by saturated standard cells, design, 17042
- Voltaic couples, thermogalvanic couples, parameters, USSR study, 1241
- Volume and yield tables:
 - Crossett farm forestry forties, 1966 harvest, 8098
 - Douglas-fir total cubic-foot volume table, formula, 1092
 - Hawaii hardwoods, multivariate equations developed for volume prediction, 8084
 - managed stands of lodgepole pine in Colorado and Wyoming, 11140
- Volume-ratio calibration system for vacuum gauges, 6802
- Volumetric analysis, titrimetry, report, 14518
- Voluntary foreign aid programs, reports of American registered agencies, 2419, 12655
- Voluntary help wanted for war on poverty projects, 9386
- Voluntary program for direct investments, status and prospects, 5964, 7585
- Volunteer workers:
 - competence in telling story of the handicapped (remarks), 18140
 - join VISTA and see the world, 10909
 - older volunteers in Peace Corps, 5381
 - Peace Corps, 5th annual report, 7036
 - public welfare departments, opportunities for volunteers, 13184
 - veterans hospitals, handbook, 1661
 - wanted volunteers, facts to face about our country's youth, 4728
- Volunteers in Service to America:
 - amendments to economic opportunity act—
 - law, 498
 - narrative summary, 9382
 - career planning booklet, 6162
 - fact book, 6167, 16484
 - handbook, 4694
 - join VISTA and see the World, 10909
 - retired teachers, opportunity to reach the forgotten through VISTA, 15208
 - VISTA, at my age? 10914
 - VISTA serves—
 - summary, 4695
 - urban ghetto, rural America, Appalachia, etc., 6168
 - VISTA volunteer (periodical), 4039
 - who, what, where, when, why, how, 6169
- Volz, Marvin D., systems and planning for packaging and price marking meat and poultry in retail food stores, 7276
- von Hake, Carl A., United States earthquakes, 12121
- von Oberdorff, Elisabeth, relief, 837

- Von Rosenburg, C. W., stall barrier as new preventive in aviation accidents, 1823
- von Stroebel, James M., basic data on economy of Argentina, 4433
- Von Wedel, Frances, claim, 16178
- Voprosy astrofiziki (USSR periodical):
 - translations, 15582
- Vorhies, Robert C., hydrologic effects of earthquake of Mar. 27, 1964, outside Alaska, 11177
- Voronezh State University, USSR, living and study conditions of Chinese postgraduate students, 4954
- Voroshilovgrad, Ukrainian SSR, Lugansk locomotive-building plant, bookkeeping organization, USSR study, 1293
- Vortex flow, confined magnetohydrodynamic analysis, 2606
- Vortex motion:
 - non-rotating vorticity meter, 16910
 - tip, core thickening for application to helicopter rotor noise reduction, 4220
- Vortex valves, *see* Valves.
- Voskhod, *see* Spacecraft.
- Voting:
 - Arkansas State Advisory Committee, report to Civil Rights Commission, 13424
 - Federal voting assistance act of 1955, amend. report, 13817
 - information bulletin, Armed Forces Information and Education, 4040
 - residency voting act of 1967—
 - hearings, 13884
 - message from the President, 10523
 - report, 15108
 - see also* Elections—National Labor Relations Board
- Voting function, *see* Mathematics.
- Voyager, *see* Satellites—Spacecraft
- V/STOL (vertical or short takeoff and landing), *see* Aircraft—Airplanes.
- VTOL (vertical takeoff and landing), *see* Aircraft—Airplanes.
- VULCAN (digital computer depletion program), *see* Electronic computers.

W

- W series, 4058
- W.S. series, 3361
- Wannanen, Arvi O., water resources of California, 2124
- Waddel, Ramond C., relay I radiation experiment, 1482
- Wade, James E., radiation monitoring, programmed, instruction book, 15973
- Wade, William R., simulated space environment effects on thermal radiation characteristics of black coatings, 16980
- Waesche, Russell R., nomination, hearings, Wage and Hour and Public Contracts Divisions:
 - interpretative bulletins, 11897, 13178
 - regulations, 15819
 - services to public, 1666, 8789
- Wage chronology, *see* Wages.
- Wage-hour law, *see* Labor standards.
- Wages:
 - accrued vacation pay, deductibility, extend time, law, 406
 - area survey—
 - Akron, Ohio, 17892
 - Albany-Schenectady-Troy, N.Y., 12772
 - Albuquerque, N. Mex., 12770
 - Allentown-Bethlehem-Easton, Pa.-N.J., 11324
 - Atlanta, Ga., 14291
 - Baltimore, Md., 8309
 - Beaumont-Port Arthur-Orange, Tex., 14294
 - Birmingham, Ala., 14286
 - Boise City, Idaho, 17897
 - Boston, Mass., 5069
 - Buffalo, N.Y., 11311
 - Burlington, Vt., 11323
 - Canton, Ohio, 11328

INDEX 1967

Wages—Continued

area survey—continued
 Charleston, W. Va., 12771
 Charlotte, N.C., 14287
 Chattanooga, Tenn.-Ga., 5062
 Chicago, Ill., 11293
 Cincinnati, Ohio-Kentucky-Indiana,
 12769
 Cleveland, Ohio, 5066
 Columbus, Ohio, 6607
 Dallas, Tex., 6611
 Dayton-Rock Island-Moline, Iowa-
 Ill., 6606
 Dayton, Ohio, 11316
 Denver, Colo., 8311
 Des Moines, Iowa, 11315
 Detroit, Mich., 11319
 Fort Worth, Tex., 8307
 Green Bay, Wis., 5061
 Greenville, S.C., 14288
 Houston, Tex., 16819
 Indianapolis, Ind., 8314
 Jackson, Miss., 11314
 Jacksonville, Fla., 9745
 Kansas City, Mo., Kans., 8305
 Lawrence-Haverhill, Mass.-N.H., 15440
 Little Rock-North Little Rock, Ark.,
 1361, 17896
 Los Angeles-Long Beach and Anaheim
 Santa Ana-Garden Grove, Calif.,
 12773
 Louisville, Ky.-Ind., 11320
 Lubbock, Tex., 14295
 Manchester, N.H., 1392, 17895
 Memphis, Tenn.-Ark., 9746
 Miami, Fla., 8310
 Midland and Odessa, Tex., 15441
 Milwaukee, Wis., 14296
 Minneapolis-St. Paul, Minn., 11313
 Muskegon Muskegon Heights, Mich.,
 14292
 New Haven, Conn., 11312
 New Orleans, La., 11322
 New York City, 16817
 Newark and Jersey City, N.J., 11326
 Norfolk Portsmouth and Newport News
 Hampton, Va., 16816
 Oklahoma City, Okla., 2503
 Omaha, Nebr., Iowa, 6605
 Paterson Clifton Passaic, N.J., 15438
 Philadelphia, Pa. N.J., 9743
 Phoenix, Ariz., 11329
 Pittsburgh, Pa., 11317
 Portland, Maine, 5070
 Portland, Oreg.-Wash., 15412
 Providence-Pawtucket-Warwick, R.I.-
 Mass., 11290
 Raleigh, N.C., 2504
 Richmond, Va., 8304
 Rockford, Ill., 11289
 St. Louis, Mo.-Ill., 8306
 Salt Lake City, Utah, 8312
 San Antonio, Tex., 16818
 San Bernardino, Riverside, Ontario,
 Calif., 5067
 San Diego, Calif., 6610
 San Francisco-Oakland, Calif., 9741
 San Jose, Calif., 5063
 Savannah, Ga., 15139
 Seattle Everett, Wash., 6609
 Sioux Falls, S. Dak., 5065
 South Bend, Ind., 11327
 Spokane, Wash., 16815
 Tampa St. Petersburg, Fla., 2505
 Toledo, Ohio, 11321
 Trenton, N.J., 8313
 Washington, D.C. Md. Va., 5068
 Waterbury Conn., 11325
 Waterloo, Iowa, 6608
 Wichita, Kans., 5064
 Worcester, Mass., 15413
 York, Pa., 11318
 Youngstown-Warren, Ohio, 8308
 chronology
 Aluminum Company of America, 16821
 American Viscose Corp., 16822

Wages—Continued

chronology—continued
 Armour and Co., 1359
 Berkshire Hathaway Inc., 14297
 bituminous coal mines, 16820
 Chrysler Corporation, 14285
 directory, 11331
 Firestone Tire and Rubber Co. and R. F.
 Goodrich Co., Akron Plants, 8301
 General Motors Corp., 2506
 International Paper Company, Southern
 Kraft Division, 8315
 Lockheed California Company, 9742
 Western Union Telegraph Co., 14290
 collective farmers, improved, USSR study,
 2475
 community surveys, 6615
 comparison with OASDIH retirement bene-
 fits, 1966 experience, 8690
 current developments, 3173
 earnings mobility of MFTA trainees, 11296
 earnings, present value of estimated life-
 time earnings, 13401
 earnings series—manufacturing, 1939-66,
 summary, 12775
 earnings statistics, 1909-66, United States,
 2196
 employee earnings—
 and hours in retail trade, 8302
 retail trade, 11332
 South, metropolitan areas, 5071
 employment and earnings, and monthly
 report on labor force (periodical), 3232
 employment and earnings statistics, 1939-
 66, for States and areas, 14283
 equal pay, activity in State legislatures,
 2974
 fair labor standards act—
 equal pay for equal work, 11897
 handicapped clients in sheltered work-
 shops, wage payments, technical re-
 port, 18252
 handy reference guide, Spanish edition,
 5590
 how to keep time and pay records, 8786
 minimum wage standards—
 amendments, report, 7228
 evaluation and appraisal, report, 2971
 overtime pay, computing, highlights,
 11895
 farm labor developments, 3264
 employment and wage supplement, 3265
 garnishment, prohibit, hearings, 17594
 historical data on hours and earnings,
 selected references, 8323
 hourly—
 Index for hydraulic turbine establish-
 ments, 3413
 indexes of change for shipyards, 3414
 industry surveys—
 communications, 6604
 fertilizer manufacturing, 12774
 hospitals, 15448
 industrial chemicals, 2502
 laundry and cleaning services, 14298
 motion picture theaters, 11330
 synthetic fibers, 8317
 textile dyeing and finishing, 2501
 women's and misses' dresses, 6613
 wool textiles, 15446
 industry wage and union scale studies,
 1955-66, directory, 5072
 Japan and United States, similarities and
 contrasts, 16827
 Japan-United States joint study, 2489
 maintenance employees at region 6 hous-
 ing authorities, HUD, GAO review, 2319
 manufacturing earnings series, 1939-June
 1966, summaries, 5083
 manufacturing industry, developments,
 summary, 4011
 minimum—
 application in agriculture, hearing, 7732
 District of Columbia law, amend., -
 law, 398
 report, 4504

- Wages—Continued**
 minimum—continued
 retail trade, study to measure effects of 1961 amendments, 5591
 State laws and orders, fringe benefit provisions, 5598
naval installations, relief of civilian employees erroneously paid, report, 1581
 net spendable earnings, monthly release, 3619
 new pay scales for scientific and technical workers in Bulgaria, 1303
 nonagricultural industries, measurement 16825
 nonmetropolitan areas of South and North Central regions, 15447
 occupational earnings and wage trends in metropolitan areas, 11334, 16830, 17899
 occupational groups in metropolitan areas, trends, 17901
 publications, list, 3623
 railroad employees, class 1 railroads, 4012
 rate determinations for construction of Carters Dam, Ga., Labor Dept., GAO review, 4878
 respective roles of monetary, fiscal and wage price guideline policies in 1967 (remarks), 1965
 seafaring wage rates, Atlantic, Gulf and Pacific districts, 14313
 seamen, recommendations of ILO convention, withdrawal of treaty, text, 15061
 social security deductions, establishment reporting plan, 1604
 students, full-time employment at special minimum wages, 7229, 18251
 sugar act of 1948, as amended, 1967 wage requirements, 8814
 Spanish edition, 8845
 sugar, rate determination, 3911
 supplementary compensation, selected references, 5082
 telephone company employees, FCC rules and regulations, 3279
 union—
 building trades, 14301
 local transit operating employees, 14300
 motortruck drivers and helpers, 15444
 printing industry, 15445
 wage board employees, adjusting pay rates, hearings, 12425, 16432
 wage calendar for 1967, changes, fringe benefits, etc., 5081
 wage indexes, long-term trend data for selected occupations and metropolitan areas, 5059
 wages and related benefits—
 metropolitan areas—
 occupational earnings, supplementary practices, 5056
 revised pages, 16814
 United States and regional summaries, 14284
 women, equal pay under Fair labor standards act as amended, 7224
 workers covered by State unemployment insurance laws, 3233
 see also Payroll deductions.
- Wages and Industrial Relations Division**
 publications, list, 3623
- Wagner, A. James**, objective numerical prediction out to 6 days using primitive equation model, test case, 12479
- Wagner, Bartlett A.**, planetarium, elementary-school teaching resource, 5278
- Wagner, Bernard**, housing in Jordan, 6120
- Wagner, C. A.**, use of resonant vibrating or bits in satellite geodesy, 14476
- Waisman, Don A.**, foreign trade regulations of Brazil, 17479
- Waists**, make waistline fit on pants, 7282
- Walt, J. R.**:
 radio science, 3503
 radio science, journal of research, 2736
- Walte, Charles L.**, cerebral air embolism, 12793
- Walte, Paul J.**, climates of States, Iowa, 9425
- Wakes**, their structure and influence upon aerodynamic decelerators, 9808
- Walasek, Zofia**, relief, 10724
- Walden, Harvey**:
 differential corrections applied to Vinti's accurate reference satellite orbit with inclusion of 3d zonal harmonic, 15564
 orbital prediction and differential correction using Vinti's spheroidal theory for artificial satellites, 8482
- Waldman, Saul**:
 income loss protection against short-term sickness, 1948-65, 2866
 OASDI retirement benefits, prices, and wages, 1966 experience, 8690
- Waldron, Howard H.**, debris flow and erosion control problems caused by ash eruptions of Irazu Volcano, Costa Rica, 16686
- Wales, C. P.**, changing discharge capacity of silver oxide electrode by charging with interrupted current, 9998
- Wales, west coast**, sailing directions, change, 8570
- Walker, R. L. Jr.**, micrometer measures of 256 double stars, 11628
- Walker, Robert H.**, establishing business in Belgium, 4435
- Walker, T. C.**, feasibility, etc., unguided solid fuel rocket vehicle with solar orbit, earth probe, and re-entry mission capabilities, 12853
- Walking**, more hiking space, 7292
- Walkotten, W. J.**, elevation effects on rainfall near Hells, Alaska, 16655
- Wall, Brian R.**, forest industries of eastern Washington, 8123
- Walla Walla, Wash.**, fog dispersal experiments using propane, 11984
- Walla Walla project**:
 construction of Teneb division—
 hearing, 13870
 report, 15115
- Wallace, Richard A.**, polymer structure and ionic transport of polystyrenesulfonate model membranes, 9592
- Wallace, Robert A.**, address, Oct. 24, 1967, 18214
- Wallace, Roger**, proceedings of symposium on biological interpretation of dose from accelerator-produced radiation, 15960
- Wallace, Sarah L.**, quarterly journal of Library of Congress, 3795
- Wallace, Idaho**, Galeum mine, stress ellipsoid determination in rock-burst prone area, 14351
- Waller, Roger M.**:
 effects of Mar. 1964 Alaska earthquake on hydrology of—
 Anchorage area, 1123
 south central Alaska, 1122
- Walling, Faulkner R.**, water requirements of iron and steel industry, 12617
- Walnuts**:
 and related species, annotated bibliography, 8108
 black—
 planting for timber, 32
 timber resources and industries, 8121
 chemical weed control in 2 year old plant ing, 14098
- Walpole, Norman C.**, area handbook for Saudi Arabia, 5733
- Walsh, Don**, lecture, Feb. 17, 1965, 1602
- Walsh, Robert M.**, talk, June 21, 1966, 12460
- Walsh-Healey public contracts act**, see Government contracts.
- Walter Reed Army Medical Center**:
 military construction, authorization—
 law, 458
 report, 919
- Walters, Jack G.**:
 chloroform extractions of coals and chars, 12826

INDEX 1967

- Walters, Jack G.—Continued
yields and analyses of tars and light oils
from carbonization of U.S. coals, 16850
- Walters, Roger E., improved methods, techniques, and equipment for cleaning eggs, 1122
- Walther Herwig (research vessel):
West German fishery research vessel, 17772
- Walton, Paul T., oil and gas lease, reinstatement, report, 10740
- Walton, T. R., influence of fire-retardant undercoat on burning characteristics of combustible topcoat, 13036
- Walton, William C., Jr., procedure for computing motion of lunar-landing vehicle during landing impact, 18043
- Wang, James Ting-shun, on differential equations of axisymmetric vibration of paraboloidal shells of revolution, 17946
- Wang, Kung-Lee, interindustry structure of U.S. mining industries, 11356
- Wang, R. P., mineral industry of mainland China, 5115
- Wanbaine, John P., acoustic liners to suppress screech in hydrogen-oxygen rockets, 6870
- War:
assistance to enemies of U.S., in time of undeclared war, make punishable, reports, 10618, 12263
control of local conflict, design study, 15924
sinews, Army logistics 1775-1953, 1397
- Vietnam—
assistance to enemies of U.S., in time of undeclared war, make punishable, reports, 2017, 2019
Hungarian journalist reports, 4988
war hazards compensation act, regulations governing administration, 4726
war or peace in Middle East, study mission report, 10837
- War claims, see Claims.
- War of 1812, service records, pamphlet to accompany microcopy, Mississippi Territory, volunteers, 18070
- War on hunger, monthly news report, 8229
- Ward, Chester L.:
body volume of adult men, 14780
scuba diving, biologic and physical aspects, 11953
- Ward, Cordelia T.:
major collective bargaining agreement expirations, 16824
wage calendar for 1967, outlook, etc., 5081
- Ward, Helen L., radioisotopes in biological sciences, annotated bibliography, 10304
- Ward, John P., exploratory flight investigation and analysis of structural loads encountered by helicopter hingeless rotor system, 1487
- Ward, Ray, background material on economy in Government, 9042
- Ward, Robert D., relief, 768
- Warehouse examiners, examination announcement, amdt., 202
- Warehouses:
commercial service plan, Defense Dept., general merchandise and refrigerated storage, 15182
cotton, fire prevention program, 13237
grocery, use of adhesive labels for price-marking cases, 10155
refrigerated, directory, 5559
- Warfare, see Air warfare—Chemical warfare—Guerrilla warfare—Submarine warfare—War.
- Wargo, M. J., human operator response speed, frequency, and flexibility, 16904
- Warm air furnaces, see Furnaces.
- Warner, Dianne, beautiful junk, 17709
- Warner, Robert E., mechanism of deuteron breakup by 42 Mev alpha particles, 18032
- Warning systems:
emergency broadcast system, basic plan, 14016, 17450
- Warning systems—Continued
NAWAS, national warning system operations manual, 5914
outdoor, principles of sound and their application, 5915
programmed orientation to civil defense, 13431
security system monitors up to 15 remote areas simultaneously, 2665
seismic sea wave, reporting procedures for tide observers, 4412
- Warnke, Paul C., nomination, hearing, 15148
- Warrant officers, see Coast Guard Reserve.
- Warren, Bruce H., determination of indigible biochemical responses utilizing paracid fluid collection technic, 4187
- Warren, Doris E., relief of children, 13575
- Warren, Ohio, area wage survey, 8308
- Warren County, Tenn., soil survey report, 17208
- Warrior River, Holt Lock and Dam, spillway and navigation conditions, hydraulic model investigation, 4744
- Warsaw, Poland, East of the Elbe, study mission, report, 6104
- Warships:
loan to Brazil, agreements, 15788, 15798
loans, extension, etc.—
hearing, 7737
report, 10555
loans to friendly foreign countries, authorize extension, reports, 2025, 2101, 16271
naval vessels, antibacteriological defense and decontamination, USSR study, 8248
structures behaviour, survey of recent British work, 5488
- Warwick, R.I., area wage survey, 14290
- Washers (metal, etc.):
Federal item identification guide, 16463
- Washchek, Jack N.:
water supply outlook and Federal-State-private cooperative snow surveys for—
Colorado and New Mexico, 4045
early season snow survey for Colorado, 5519
special snow report for Colorado, 15750
- Washington, George:
brief biography, 14555
farewell address to people of U.S., text, 5976
print additional copies, report, 2018
5-cent commemorative postage stamp (poster), 18138
- Washington, Sylvia H., bibliography, Labor management relations act, 1947, as amended by Labor-management reporting and disclosure act, 11599
- Washington, D.C., see Capital of United States—District of Columbia.
- Washington Channel:
bridge to East Potomac Park, with visitor facilities, construct, hearings, 750
waterfront priority holders, amend act, reports, 895, 7700
- Washington Metropolitan Area Transit Authority:
compact, approval—
hearing, 2132
law, 478
report, 654
- Washington Monument, general information, 14555
- Washington State:
Blue Mountains, defect estimation for grand fir, Engelmann spruce, Douglas-fir, and western larch, 2289
census of agriculture, 1964, State and county statistics, 13411
census of mineral industries, 1963, area statistics, 5846
climatological data, 3096
coast pilot supplement, 5944
county business patterns, 1870, 13383
eastern, forest industries, 8123
electric rate book, 2253

Washington State—Continued
 Grays Harbor basin, Lincoln Creek formation, 12603
 health services grants made by PHS, financial administration, GAO review, 14160
 insect outbreaks, 2291, 17797
 low temperature reaction zones and alpine ultramafic rocks, 17817
 mineral industry, minerals, yearbook chapter, 2565
 national wildlife refuges of coast, 9518
 precipitation data, hourly, 3401
 public lands, use of income for schools, etc.—
 hearing, 9323
 law, 12177
 reports, 10733, 12262
 volcanic hazards of Mount Rainier, 9562
 water supply outlook and snow surveys, 4051
 western, labor requirements in thinning Douglas-fir and western hemlock, 4837
 Washington Technical Institute:
 establish—
 law, 495
 report, 693
 Washita National Wildlife Refuge, general information, 17782
 Washita River Basin project, Foss Reservoir repayment contract, amend, hearing, 15160
 Wason, James R., Federal legislation to end strikes, documentary history, 10861
 Wasps:
 Tiphia, new species from West Indies, 14540
 trap-nesting, life histories, etc., 8685
 Wason, James A., secondary recovery of oil by waterflooding Mitchell and Berea sands, Lower Newport field, Newport Township, Ohio, 14361
 Waste disposal, *see* Radioactive waste disposal—Sewage—Waste products.
 Waste products:
 brines from desalination plants, utilization, feasibility study, 14196-197
 cotton-ginning wastes, control and disposal, symposium, 7063
 cotton mill waste, marketing and utilization, 9390
 law regarding deposition of industrial waste solids into navigable waters, need for improving procedures to ensure compliance, Engineers Corps, Army, GAO report, 4868
 municipal waste disposal, air pollution aspects of teepee burners used, 1572
 pollution, treatment works, construction assistance, text, 6340
 solid waste disposal—
 laws, compilation, 4547
 summaries of research and training grants, 10063
 solid waste program facts, 13095
 waste waters, removing organic contaminants, use of coal and modified coals as adsorbents, 2588
 watercraft, wastes from, report of Interior Dept. to Congress, 16349
 print as Senate document, report, 15141
 see also Radioactive substances—Refuse.
 Watches, *see* Clocks and watches.
 Water:
 A-B-seas of desalting, 4912
 acid mine water reverse osmosis test at Kittaning, Pa., 4915
 ages of plutonium-beryllium neutrons in tungsten-water, media, 1502
 algal growth aqueous factors other than nitrogen and phosphorous, selected biological references, 6338
 are we running out of water? 6396
 artesian, in Tertiary limestone in south eastern States, 6399
 atmospheric water resources program, 5480

Water—Continued
 behavior in various states, 15333
 boundary waters, Colorado River, loan, agreement with Mexico, 2914
 brackish, one mgd reverse osmosis plant, spiral module concept, parametric study, 9590
 brackish water conversion demonstration plant—
 Roswell, N. Mex., report, 16718
 Webster, S. Dak., annual report, 15327
 brackish well water reverse osmosis tests at Midland, Fort Stockton, and Kermit, Tex., 11217
 chemistry of aluminum in natural water (series), 15313
 civil defense aspects of waterworks operations, 4382
 Colorado—
 early season snow report, 5519
 special snow report, 15750
 Columbia River basin—
 discharge at gaging stations, etc., 3907
 storage in major power reservoirs, monthly report, 3907
 column probe, ultrasonic, speeds up testing of welds, 5225
 conservation—
 abstracts of material published, 8806
 conservation and full utilization, 11769
 conservation around world, 14653
 research in northeastern States, 38
 continuity of water substance, cloud formation, etc., 13231
 corrosion of aluminum, 17938
 deep water isotopic current analyzers, 13328
 desalination, 1st international symposium, proceedings, 9587, 11214-215
 desalting and energy development, etc., policy considerations, 15969
 determination of phenoxy acid herbicides by electron-capture and microcoulometric gas chromatography, 15312
 differential energy and angle spectra for Cs-137 gamma rays, 13326
 discharge measurement of streams by indirect method—
 at width contractions, 14176
 techniques, 11184
 discharge measurements at dams by indirect method, techniques, 9576
 droplets, improved method of determining spread factor for pesticide spray coverage, 10149
 dynamics of water rejection from hydrogen-oxygen fuel cell to hydrogen stream, 18031
 electric pumps on farm, 10176
 electrolysis cell for orbital test, 2607
 evaporation from soil, effect of sample size and environmental conditions, 10
 excretion and renal hemodynamics during lower body negative, 14770
 Federal grants for clean water, 11069
 fluctuations in rate of discharge of Clear Lake Springs, Millard County, Utah, causes, 12618
 fresh, productivity complexes, bases for compiling biological program, USSR study, 5008
 geochemistry of water (series), 11186
 ground water—
 Air Force Academy site, Colo., 11179
 American Falls Reservoir vicinity, 17832
 artificial recharge (series), 1128, 16700
 Big Sandy Creek Valley, Lincoln, Cheyenne, and Kiowa Counties, Colo., resources, 11191
 Bloomington-Colton area, patterns of subsurface flow, 1118
 Burnt River Valley area, Oreg., reconnaissance, 14182
 chemical quality, 4893

Water—Continued

- ground water—continued
- High Plains of Colorado, development, 4893
- Jicarilla Apache Indian Reservation, resources of southern part and adjacent areas, 17829
- Kern River alluvial-fan area, geology and hydrology, 1116
- Laramie County, Wyo., resources, 8179
- levels in United States, 1960-64, South-Central States, 16702
- Lytle Creek-San Sevaine area, studies proposed, progress report, 1125
- Mississippi Test Facility, Hancock County, Miss., development, 8183
- Pascagoula River basin, Miss. and Ala., 11190
- Piedmont and Blue Ridge provinces in southeastern States, 9566
- Pinal County, Ariz., western, salinity, 1131
- Portage County, Ohio, resources, 11172
- Salar de Atacama, Antofagasta Province, Chile, resources, 11164
- Savannah River and vicinity for atomic energy plant, 16705
- Upper Santa Ana Valley, Calif., studies proposed, progress report, 1125
- upper Sevier River basin, Utah, conditions, 14180
- Ute Mountain Indian Reservation, Colo. and N. Mex., 6409
- human water exchange in space suits and capsules, 12863
- hydrologic cycle, 16535
- increasing water yield from atmospheric sources through technology development plan, 5480
- Indian Ocean, measurement of propagation velocity of elastic oscillations in surface layer, 36th cruise of USSR experimental ship Vityaz, 15353
- intensity measurements of absorption bands, 1550
- keep your drinking water safe, 5443
- loans for development of water supply systems, etc., questions and answers, 4131
- management, citizen's stake (remarks), 13219
- masses and density stratification western North Atlantic Ocean, atlas, 11629
- masses in Indian Ocean, variability, 11630
- minerals yearbook chapter, 1417
- Mississippi River Delta, monitoring agricultural pesticide residues, preliminary report of studies, 4086
- municipal water supplies—
 - mineral content, economic effects, 14199
 - saline and conventional water sources in Texas, procedures and methods for calculating costs, 12045
- natural, quantitative determination of tritium, 1130
- Nevada, fall summary, 17205
- new era for America's waters, 6342
- occurrence of selected minor elements in waters of California, 11186
- official Coast Guard recreational boating guide, 219, 4419
- organic substances in water (series), 15312
- Pacific Northwest—
 - annual peak discharge at selected gaging stations, 16689
 - current discharge at selected stations, 3907
 - month-end storage in major reservoirs, 3907
 - new reports by Geological Survey, 11170
- water resources summary—
 - annual, 2362, 17822
 - monthly, 3670
- water resources weekly runoff report, 3671
- Park Range atmospheric water resources program, phase 1, 11774

Water—Continued

- Parkfield-Cholame, Calif., earthquakes of June-Aug. 1966, resources aspects, 9374
- peak discharge measurement by slope-area method, techniques, 11185
- performance of hubless pump inducer, 6860
- pressures and accelerations encountered during landings of Apollo spacecraft, dynamic model investigation, 16970
- quality, standards for interstate waters, guidelines for establishing, 6341
- radiochemical analysis of water (series), 1130, 6410
- radon containing, and their therapeutic uses, USSR study, 8241
- requirements and uses—
 - Montana mineral industries, 2539
 - Wyoming mineral industries, 12796
- requirements of—
 - iron and steel industry, 12617
 - normal adults residing at 4300 meters for 28 days, 14806
 - selected industries (series), 12617
- research, selected summaries, 2273, 11070, 17766
- residential use, study, 11206
- resource development proposals, Interior Dept. to investigate feasibility, reports, 2015, 12362
- resource projects under jurisdiction of Army Dept., change in name—
 - law, 12181
 - reports, 9297, 13630
- resources—
 - Alaska, print additional copies, report, 13651
 - and their conservation in Hungary, 12705
 - California, 1126-27, 2124, 12616
 - conservation, code of Federal regulations, 11035
 - cooperative research and training, report, 6438
 - developed, protected, and geared for sustained use (remarks), 51
 - development proposals, Interior Dept. to investigate feasibility, report, 16240
 - French Prairie area, northern Willamette Valley, Oreg., 14179
 - Grand River basin, Mich.—
 - economic base study, 1024
 - study, information booklets, 7927-28
 - Ipswich River basin, Mass., 6411
 - Jackson and Independence Counties, Ark., 14181
 - Marquette Iron Range area, 14183
 - Michigan, southeastern river basins, study, information bulletin, 7929
 - Missouri, and development projects, 15055
 - print as Senate document, report, 9276
 - national problems and programs, comprehensive review—
 - hearings, 9162
 - reports, 4613, 12278, 13661
 - Pulaski and Saline Counties, Ark., 8181
 - research, 1968 Federal program, 11781
 - soil conservation, devoted to wise use of land and water resources (periodical), 3383
 - Swatara Creek basin of southeastern Pennsylvania, evaluation of hydrologic system, 16703
 - technical publications, 7102, 10073, 11774-776, 17181
 - Tennessee Valley, nature's constant gift, report, 2945
- resources projects, Federal reimbursement policy, study—
 - departmental edition, 6209
 - document edition, 6057
- resources research catalog, 6452
- resources thesaurus, vocabulary for indexing and retrieving literature, 2398

Water—Continued
 safety tips in, on, and around water, 15709
 saline—
 desalination by electrosorption and desorption, 6445
 mass transfer properties, 2393
 nuclear energy for desalting, bibliography, 12014
 saline conversion—
 appropriations, expand program, etc.—
 hearing, 9322
 law, 12172
 reports, 10561, 10753
 conceptual design of desalination plant, 2396, 8216, 15330
 demineralization by environmentally modulated adsorption, 8212
 demonstration plant, Freeport, Tex., annual report, 17848
 engineering data book, supplement, 2397
 foam fractionation, 12642
 freezing, research, 9593
 nucleation and growth of ice crystals, 6442
 report, 11216
 thermophysical properties of saline water systems, 12643
 USSR, technical publications, translations, 13313
 velocity and concentration profiles in reverse osmosis systems, 11218
 waste heat used for production of fresh water, 6450
 saline water research and development progress reports, 1140, 2393-96, 4915, 6440-51, 8211-16, 9588-94, 11217-218, 12641-645, 14196-200, 15326-333, 16718, 17848-849
 science and saving water and soil, 15842
 strategy for clean water (remarks), 16719
 strontium-90 determination, 6410
 supply—
 Alaska, northwestern, Project Chariot, potential effects, 2369
 Colorado River, watershed conditions affecting, 3922
 western United States, fall, summary, 17266
 supply and treatment, Army and Air Force installations, technical manual, 109
 supply outlook—
 Arizona, 4044
 Colorado and New Mexico, 4045
 Idaho, 4046
 Montana, 4047, 18217
 Nevada, 4048
 Oregon, 4049
 Utah, 4050
 Washington State, 4051
 western United States, including Columbia River drainage in Canada, 4052
 surface water—
 and related climate features, Shail Sushah area, Tunisia, 11189
 chemical quality, in Allegheny River basin, Pa. and N.Y., 8180
 chemical quality reconnaissance, Neches River basin, Tex., 17830
 chlorinated hydrocarbon pesticides, identification and measurement, 4800
 controlling on level fields, 5642
 hydrology of California coastal basins, between San Francisco Bay and Eel River, 15315
 quality—
 United States, 2375, 8184, 11192, 17834
 western States, 1963, for irrigation, 8185
 techniques of water-resources investigations, 9576, 11184-185, 14176
 temperature data, correlation and analysis for Oregon streams, 8177
 trace contaminants, analytical technique for characterizing, 15532
 trace organic materials, methods for determination, 6451

Water—Continued
 transmission of light through plane water surface and its return by submerged retroreflector, 13031
 underwater sports in USSR, 6552
 use in manufacturing, 1963 census of manufacturers, 4279
 use in mineral industries, 1963 census of mineral industries, 5848
 water and sewer facilities grant program, HUD consumer bulletin, 17838
 water and wastewater facilities 1955-80, regional construction requirements, 17417
 water for peace—
 international conference, organize and hold in U.S., 1967—
 law, 503
 reports, 700, 2092
 representative list of R & D reports available, 10439, 14872
 water-resources reports, announcement, 3030
 water resources review (periodical), 4043
 water supply of Indian reservations (series), 6409, 17829
 water supply papers, 1128-33, 2374-76, 4892-95, 6409-12, 8177-85, 11186-192, 12617-618, 14177-184, 15312-315, 16700-705, 17829-834
 water-vapor electrolysis cell with phosphoric acid electrolyte, 12858
 yield, increasing in Northeast by management of forested watersheds, 14136
 see also Heavy water—Hydrogeology—
 Ice—Sea water—also headings beginning water.
 Water birds :
 aerial surveys, 1961-66, factors influencing waterfowl counts, 15268
 Federal baiting regulations, questions and answers, 15258
 hunting, possession, transportation, importation, Federal regulations, 1080, 16623
 Alaska, 14061
 migratory waterfowl—
 conservation—
 hearing, 10665
 report, 12265
 regulations, 1967-68, hearing, 16336
 pelagic distribution of seabirds in western Indian Ocean, 14534
 seabirds—
 numerical coding, 14536
 tropical Atlantic Ocean, identification manual, 2752
 status report, 6357
 Water carriers :
 class A and B, revenue and traffic, quarterly, 3831
 mixing rule exemption, modernize certain restrictions upon application and scope—
 hearings, 16399
 report, 16374
 operations, exemptions from certain provisions of shipping act, 1916—
 hearings, 4552
 law, 482
 rate suspension, accounting at expiration, hearings, 16337
 refund portion of freight charges, hearings, 16337
 transport statistics, 4929, 16729
 Water-closet bowls, see Toilet bowls.
 Water flooding, see Petroleum.
 Water fowl, see Water birds.
 Water heaters, liquid, classification definitions, 18122
 Water-lading characteristics of 1/10-scale model of winged missile, 9872
 Water measurements, manual pertaining to measurement of water for irrigation projects, 11776

- Water meters, use of records to estimate recreation visits and use on developed sites, 12579
- Water pollution:
- biological field investigative data for water pollution surveys, 1073
 - building for clean water, progress report, 8010
 - central and northern California, hearing, 15035
 - clean water for America, career opportunities, 8012
 - clean water plan, Greenspan grants, general information, 5672
 - clean water restoration act of 1966, pollution control and abatement in selected river basins—
 - law, 12156
 - text, 6340
 - Columbia Basin and Pacific Coast States, inventory of research, 15254
 - control—
 - directory, 17767
 - fresh and marine waters, selected biological references, 8011
 - Great Lakes-Illinois River basins project, Lake Ontario program, 9501
 - Great Lakes region, hearing, 738
 - Lake Michigan basin comprehensive plan—
 - Green Bay area, Mich. and Wis., 14050
 - Milwaukee area, Wis., 14051
 - Lake Ontario program, 9501
 - manpower and training needs, 17615
 - print as Senate document, report 16362
 - program, 1967 review, hearings, 9168
 - research and training grants—
 - awards, 2274
 - publications and reports, 1965 index, 11071
 - control act, amend—
 - hearings, 16435
 - law, 12156
 - text, 6340
 - control and abatement—
 - message from the President, 5992
 - remarks, 5446
 - save America's small lakes, report, 14986
 - control of oil discharges in navigable waters, amend act, hearings, 16435
 - control program, 1967 review, hearings, print additional copies, report, 13656
 - creek and the city, urban pressure on natural stream, Rock Creek Park and Washington, D.C., 4913
 - danger of underestimating impurities in water, Rumanian study, 15371
 - environmental pollution, challenge to science and technology, report, 2057
 - Federal grants for clean water, 11069
 - fish kills, annual report, 17765
 - interstate and intrastate waters, of upper Mississippi River and its tributaries, Minn. and Wis., conference, proceedings, 14052, 15253
 - interstate waters—
 - Chattahoochee River and tributaries, conference, proceedings, 2271
 - Grand Calumet River, Little Calumet River, Calumet River, Wolf Lake, Lake Michigan and tributaries, progress evaluation meeting, 14053
 - Lake Tahoe and tributaries, conference proceedings, 9500
 - Lake Erie and its tributaries—
 - conference, proceedings, 16609
 - 3d meeting, proceedings, 6344
 - laws, compilation, 4547
 - navigable waters of Moriches Bay and eastern section of Great South Bay and their tributaries, conference proceedings, 6339
 - pollution control costs in mine drainage management, handbook, 12539
 - Water pollution—Continued
 - seas, by oil—
 - international control, report, 16234
 - international convention for prevention, amendments—
 - implementing, hearings, 745
 - text, 5542
 - south Lake Tahoe, Calif., hearings, 2056
 - strategy for clean water (remarks), 16719
 - waste waters, removing organic contaminants, use of coal and modified coals as adsorbents, 2588
 - wastes from watercraft, report of Interior Dept. to Congress, 16349
 - print as Senate document, report, 15141
 - what you can do about water pollution, 17768
 - Water Pollution Control Administration, Federal, see Federal Water Pollution Control Administration.
 - Water power, publications, price list, 8623
 - Water purification:
 - equipment, Federal item identification guides for supply cataloging, supplements, 3288
 - fly ash as coagulant aid in water treatment, 2573
 - rigging CW-BW water pretreatment decontamination set, airdrop, Army technical manual, 10280
 - Water Resources Council:
 - appropriations, 1967, law, 403
 - appropriations, 1968—
 - hearings, 12287, 16393
 - report, 13678
 - press releases, 3767
 - Task Force on Institutional Arrangements for River Basin Management, report, 17292
 - Water Resources Division:
 - California district, activities, 1106-9
 - reports for California, lists, 1126
 - Water Resources Research Office:
 - appropriations, 1968, hearings, 7734
 - programs, briefing session, hearings, 10655
 - Water supply, see Water.
 - Water systems:
 - financial assistance to small towns and rural groups in Oklahoma, questions and answers, 7945
 - water and wastewater utilities, capital expenditures, 1964 distribution, 4260
 - water treatment, selected biological references, 8011
 - Water vapor:
 - atmospheric, aloft over Great Lakes basin, total distribution, 16833
 - effect of optical radiations and water vapor on trapping spectrum of cadmium sulfide, 14455
 - observations at low, middle, and high latitudes, 5362
 - profile in Martian atmosphere, flyby measurement, 15569
 - Waterborne commerce, see Commerce.
 - Waterborne foreign trade, trade area by coastal district, 3356
 - Waterbury, Conn., area wage survey, 11325
 - Watercraft, see Boats—Ships.
 - Waterflooding, see Petroleum.
 - Waterfowl, see Water birds.
 - Waterfront operational facilities:
 - Navy design manual, changes, 2765
 - security, Federal regulations, 10448
 - Waterhouse, Robert, reevaluation of Rammsønde hardness equation, 1755
 - Waterline erosion control essential to stream-bank rehabilitation, 14099
 - Waterloo, Iowa:
 - area wage survey, 6608
 - population, special census, 8950
 - Watermelons:
 - for garden, 4118
 - heavier loading in rail cars and piggyback trailers, damage and cost reduction study, 10154

Waterproofers, safe work guide, 11306
 Waters, Roy F., extraction of germanium and gallium from coal fly ash and phosphorus furnace flue dust, 9789
 Watersheds:
 central Colorado, high mountain, sediment yields, 2332
 flood prevention, 11 authorized, 14650
 forested, increasing water yield in North-east by management, 14136
 loans available from Farmers Home Administration, questions and answers, 4129
 planning, SCS national engineering hand-book, 10087
 projects, miscellaneous, hearings, 711, 12427
 small tree-covered and fern-covered and burned in Hawaii, rainfall and stream-flow, 8115
 the watershed, a new look at war on poverty, 10915
 see also names of rivers, etc.
 Waterways Experiment Station:
 miscellaneous papers, 4742, 15229, 17736
 publications—
 available for purchase, 13981
 list, 13978
 technical reports, 1030, 2220-21, 4743-45, 6210-16, 7930-34, 9424, 10960-962, 13985-988, 16526-529, 17737
 Watkins, Philip L.:
 digital magnetic tape system for recording radar data, 17096
 Randle Cliff radar digital range-measurement instrument, 18114
 Watson, Bruce G., soil survey of Lafayette County, Wis., 1610
 Watson, Charles W., jr., relief, 13590
 Watson, George E., seabirds of tropical Atlantic Ocean, 2752
 Watson, Gordon K., effect of ductile cladding on bend transition temperature of wrought tungsten, 17008
 Watson, Velvin R., numerical calculations for characteristics of gas flowing axially through constricted arc, 12955
 Watt, Lois B.:
 education of disadvantaged children, bibliography, 4709
 Educational Materials Center, 4710
 family life and sex education, bibliography, 6184
 Waubay National Wildlife Refuge, birds, list, 15263
 Waugh, Frederick V.:
 agricultural policy, review of programs and needs, 17124
 graphic analysis, applications in agricultural economics, 4099
 Wave functions:
 spheroidal—
 oblate radial functions of 1st and 2d type, tables, 10002, 17087
 prolate radial functions of 1st and 2d type, tables, 10010
 Wave generators, multiphase supplies from signal conversion of direct current, 17979
 Waveguides:
 asymmetric waves in circular waveguide with open end, general theory, 11566
 diode-iris controlled waveguide slot radiators, feasibility study, 9812
 earth-ionosphere waveguide channel, propagation of long and superlong radio waves, USSR excerpt, 17873
 optical, and components, development, 15508
 parallel-plate, aperture reflection coefficient by wedge diffraction analysis, 14382
 rectangular, dielectric covers, effects over cross slots, 18027
 Wavelengths:
 X-ray, 17036

Wavelengths—Continued
 X-ray source uses interchangeable target anodes, 14424
 see also Spectra.
 Waves:
 asymmetric, in circular waveguide with open end, general theory, 11566
 correlation of littoral transport with wave energy along shores of New York and New Jersey, 7925, 10954
 inversion, effect upon sonic-boom propagation, 9427
 longshore current data, compilation, 10952
 magnitude of nonlinearities in collisionless magnetoplasma, 5253
 neutron wave propagation techniques, symposium, proceedings, 12003
 ocean—
 instrumentation of nearshore environment, by multipurpose data acquisition system, 16522
 origin and dynamics, USSR study, 12674
 propagation—
 finite amplitude in thermoviscous media, 1434
 millimeter and submillimeter, 15511
 rock movement in large-scale tests of riprap stability under wave action, 16250
 seismic sea wave warning system, wave reporting procedures for tide observers, 4412
 stress and wave patterns in soils subjected to dynamic loads, 10255
 wave-powered device for moving sand, feasibility study, 13975
 wave record program at CERC, 10951
 see also—Electric waves—Pressure waves—Radio waves—Shock waves—Sound—Sound waves.
 Wax, Federal item identification guides for supply cataloging, supplements, 3290
 Ways and Means Committee, House:
 calendar, 3486
 committee prints, 2115, 4565, 6046, 6048, 15053, 16346
 digest of testimony, etc., on interest equalization tax extension act, 9176
 funds, report, 7726
 hearings, 6047, 6049, 7763-64, 10684-685, 17614
 legislative history—
 H.R. 6950, restoration of investment credit and allowance of accelerated depreciation in case of certain real property, 13719
 H.R. 8363, revenue act of 1964, 756
 H.R. 10650, revenue act of 1962, 4564, 7760
 H.R. 11256, tax lien act, 757
 H.R. 11970, 87th Congress, trade expansion act of 1962, Public law 794, 7761
 H.R. 13103, 89th Congress, foreign investors tax act of 1966, 7762
 H.R. 17607, suspension of investment credit and allowance of accelerated depreciation in case of certain real property, 2064
 P.L. 90-3 and P.L. 90-39, public debt ceiling, 15051
 P.L. 90-59 and P.L. 89-243, interest equalization tax extension acts, 15052
 reports, 617-618, 639, 2022-24, 2027-28, 6003, 7647-53, 7670, 7685, 7690, 7692-94, 7696-99, 7713, 7730, 9088-92, 9099-9100, 10621, 12273, 14953, 16264
 WB/BC series, 16539
 Wealth, personal wealth, 1962 income statistics, 15336
 Weapons:
 chart system simplifies identification of complex design assemblies, 1458
 effects, thermal radiation, produces choriorretinal lesions, study, 10231
 Federal item identification guides for supply cataloging, supplements, 3293

Weapons—Continued

- Individual, ROTC manual, 1766
- nuclear—
 - AEC authorizing legislation, 1968, hearings, 10491
 - Chinese Communist progress, impact on U.S. national security, report, 13542
 - development in U.S. and Soviet Union, digest, 7746
 - effects—
 - programmed orientation to civil defense, 13429
 - self-teaching materials, 13427
 - non-proliferation treaty, why? 15926
 - systems—
 - Project Hindsight, 1st interim report, summary, 7857
 - rigging M24 and M29, Army technical manual, change, 15952
- Weapons carriers, $\frac{1}{2}$ ton, rigging for air-drop, Army technical manual, 10281
- Wear, John F.:
 - aerial photographic techniques for estimating damage by insects in western forests, 14078
 - sampling tree tops by helicopter, special pole pruner cuts branchlets, 11123
- Wear, see Friction.
- Weather:
 - aviation weather procedures handbook, changes, 4188, 16548
 - control, and the hand of man, 13993
 - daily weather and river bulletin—
 - Albuquerque, N. Mex., area, 3184
 - Houston, Tex., area, 3185
 - New Orleans, La., area, 3186
 - effect on sound transmission from explosive shots, 9773
 - engineering data for heating and air conditioning design, etc., Army, Navy, and Air Force manual, 11947
 - ESSA operational satellite system, 1033
 - Government employees absent because of dangerous conditions, to be excused without loss of pay, amend U.S. Code, hearing, 9329
 - Luquillo Mountains, P.R., 1958-62 records, 14130
 - maps—
 - daily weather map, 3187
 - synoptic, Northern Hemisphere, 3181
 - mariners weather log (periodical), 3541
 - naval weather service computer products manual, 15618
 - radio aids—
 - Atlantic and Mediterranean area, 1540, 9975, 14581
 - Pacific and Indian Oceans area, 2772, 8573, 11648, 17076
 - review, monthly, 3583
 - service A schedules, ATS handbook, changes, 5717, 11971
 - service C schedules, 1746
 - changes, 11972, 16561
 - service for merchant shipping, 7230
 - service O International schedule, ATS handbook, 1745
 - change, 13275
 - severe conditions, administrative leave for Federal employees, hearing, 748
 - severe weather flying, physiological responses of pilots, 5804
 - weather and crop bulletin (periodical), 4060
 - weather radar manual—
 - fundamentals and applications, 17294
 - national network, observing and reporting procedures, 17293
 - world records, 1951-60, Asia, 9435
 - see also Meteorology.
- Weather Bureau:
 - circular, 5592
 - ESSA technical memorandum, WBTM TDL series, 9428-29, 12479
 - ESSA technical report, WR series 10968
 - operations, semiannual report, 14722
 - technical note, 2972

Weather Bureau—Continued

- WBAN manual of surface observations, 5592
- Weather control:
 - modification—
 - annual report, 13013
 - progress, hearing, 9321
 - recommended national program, 9450
 - Soviet Union, 1944-66, bibliography, 17903
- Weather forecasts:
 - Air Force weather forecaster proficiency, test correlates, 8863
 - average monthly weather outlook (periodical), 3051
 - coastal warning facilities charts—
 - Canadian border to Eureka, Calif. and Alaska, 14717
 - Cape Hatteras, N.C. to Brunswick, Ga., 14718
 - eastern Florida, 8790
 - Eastport, Maine to Montauk Point, N.Y., 14719
 - Eureka to Point Conception, Calif., 11901
 - Hawaiian Islands, 11902
 - Manasquan, N.J. to Cape Hatteras, N.C., 14720
 - Chesapeake Bay, 14720
 - Montauk Point, N.Y. to Manasquan, N.J., 14721
 - Morgan City, La. to Brownsville, Tex., 11903
 - Point Conception, Calif. to Mexican border, 11904
 - Puerto Rico and Virgin Islands, 11905
 - fog forecasting, use of atmospheric-electricity recordings, 8590
 - human processing of information, investigation, 8862
 - numerical methods, USSR study, 1184
 - objective numerical prediction out to 6 days using primitive equation model, test case, 12479
 - severe-storm forecasting procedures of Military Weather Warning Center, analysis, notes, 17339
 - small craft, gale and whole gale warning facilities charts, 14723-724
 - United States precipitation, long-range forecast, supplement, 11791
 - weather radars & remote displays, Federal plan, 15232
- Weather modification, see Weather control.
- Weather Records Center, National, see National Weather Records Center.
- Weather satellites, see Satellites.
- Weather Service, National Agricultural, see National Agricultural Weather Service.
- Weather Service, National Fire, see National Fire-Weather Service.
- Weather stations:
 - cooperative meteorological program—
 - Cayman Islands, confabulation, agreement with Great Britain, 7192
 - continuation, agreement with Dominican Republic, 8731
 - decadal census, Texas, 6228
 - index, 17077
 - North Atlantic Ocean Station Charlie, 10444
- Weathering, concrete and concreting materials, performance, investigation, 6214
- Weathering layoffs in a small community, case studies, etc., 1360
- Weaver, George L-P, remarks, Mar. 10, 1967, 8283
- Weaver, Robert C.:
 - addresses, etc.—
 - Apr. 9, 1967, 9581
 - May 8, 1967, 11196
 - June 4, 1967, 11197
 - bibliography of published works, 11195
- Weaving, automating wool looms, 1186
- Weaving mills, textile industry, weaving, how to inspect chart, 9691

- Web belt load measuring instrument has excellent stability, 14436
- Webb, James E.:
addresses—
May 23, 1967, 17022
May 27, 1967, 18059
- Webb, Paul:
bio-thermal responses to varied work programs in men kept thermally neutral by water-cooled clothing, 8423
human water exchange in space suits and canules, 12863
- Webbert, M. Virginia, basic data on economy of Thailand, 229
- Webbing, general repair, Army technical manual, 14801
- Weber, Dean, United States censuses of population and housing, quality control of field enumeration, 17443
- Weber Basin project, Willard Dam, technical record of design and construction, 8671
- Weber Delta, geology and hydrology of district, 6400
- Webster, S. Dak., brackish water conversion demonstration plant, annual report, 15327
- Wechsler, Alfred E., thermal conductivity probes for soils and insulations, 4201
- Wedel, Frances von, *see* Von Wedel, Frances.
- Wedges, measures parallax separations on large-scale 70 mm. aerial photographs, 16659
- Weedfall, Robert O., climatological aspects of air pollution in West Virginia, 6219
- Weeds:
chemical control in 2-year old walnut planting, 14098
control, suggested guide, 13213
killing with herbicides, student or classroom science project, 4137
lawn, control with herbicides, 15854
noxious seed chart, 2138-39
range, chemical control, handbook, 4102
- Weekly:
NOTE.—For all publications which begin with the word "Weekly", *see* subject, or name of department, etc., issuing publication.
- Weeks, George E., buckling of pressurized toroidal ring under uniform external loading, 15570
- Weeks, W. F., understanding variations of physical properties of sea ice, 15631
- Weeks, *see* names of special weeks.
- Weertman, J.:
effect of basal water layer on dimensions of ice sheets, 4196
sliding on non-temperate glaciers, 7379
- Weevils:
boll weevils, cotton squares, efficiency of fall-type machine in destroying, 7242
pales weevil—
description, control, etc., 4821
technique for rearing, 9538
white pine, life history, control, etc., 17794
- Wegbreit, J., clutches and power-stop control, classification definitions, 18132
- Wegweiser für Amerika-reisende, 15814
- Wehrnd, William R., jr., minimum energy reaction wheel control for satellite scanning small celestial area, 9899
- Welberg, James A., parachutes designed for controllable gliding flight, 11512
- Weight, adult men, body volume, 14780
- Weightlessness:
astronaut capabilities to perform extravehicular functions in weightless conditions, 15507
dynamics of 2-phase liquid-gas weightless medium with aid of surface effects, control, 11562
effect on otoliths, temperature control of orbital otolith experiment, 12868
liquid outflow from cylindrical tanks, experimental investigation, 2720
- Weightlessness—Continued
liquid surface motion in response to lateral acceleration during weightlessness, 12966
liquids, frequency and viscous damping, experimental investigation, 15571
outflow termination, interfacial behavior, 8501
role of vestibular organs in exploration of space, 5191
sodium and water excretion and renal hemodynamics during lower body negative, 14770
- Weights and measures:
commercial, specifications, tolerances, and other technical requirements, replacement pages, 6914
standardization on national and international level important for all (address), 12126
units, definitions and tables of equivalents, 9941
see also Metric system.
- Weights and Measures, National Conference on, *see* National Conference on Weights and Measures.
- Weihaupt, John G., oceanography, study, guide, 12438
- Well, Margaret L., *see* Lob, Che Yim.
- Well stain, *see* Stains and staining (microscopy).
- Weimar Museum, paintings to be transferred in trust for, agreement, 7190
- Weinbrecht, Ruby Y., marketing information guide, annotated bibliography, 3544
- Weinstein, Leonard M., hypersonic performance of several basic and modified diamond-cross-section delta-wing configurations, 9884
- Weinstein, Sidney:
adaptation to visual and nonvisual rearrangement, 5167
effects of sensory deprivation on sensory, perceptual, motor, cognitive, and physiological functions, 8419
- Weinstock, Herbert, limitations on inertial sensor testing produced by test platform vibrations, 1492
- Weintraub, Murray:
design of gas-motivated solids dispersion devices, 6687
incineration in cylindrical combustion chamber, 9763
- Weir, D. H., model of human operator response to step transitions in controlled element dynamics, 5172
- Weiss, Milton L., projectile impact initiation of condensed explosives, 14343
- Weissbart, J., electrolytic dissociation of CO₂-H₂O using solid oxide electrolyte, 6715
- Weitzell, E. C., zoning, aid to community resource development, 17326
- Weltzman, Donald O., longitudinal study of acuity and phoria among submariners, 12791
- Weltzman, Stanley H., South American characid fishes of subtribe Nannostomina, 8537
- Welch, Richard L., five-year trend in price of pulpwood in Southeast, 15286
- Welcome aboard, USC&GSS McArthur, CSS 30, 10970
- Welcome to Washington, 12010
- Weld, Eetsy A., reports and maps of Geological Survey released only in open files, 9563, 15307
- Welded joints, *see* Joints.
- Welder shields, *see* Shields.
- Welders:
helmets, hand held shields, and helmet lenses, military standard, 9372
power arc welder touch-started with consumable electrode, 6803
standard arc, provide high amperage direct current source, 1448

INDEX 1967

Welding:

- aluminum fusion welds, continuous internal channels produced, 12909
- aluminum welds improved by bead removal, 8457
- AM 350 and AM 355 steels, 15552
- composite weld rod corrects individual filler weaknesses, 9862
- corrosion-resistant steel, controlled ferrite content improves weldability, 8475
- cross-wire welds, quality control criteria for acceptance testing, 5227
- electron beam welder X-rays its own welds, 14423
- embedment and other metallurgical and mechanical characteristics of cross-wire resistance welds, 2698
- equipment industry in Japan, 12031
- explosive, study to establish parameters and limitations, 17999
- fusion welding, workmanship standards, 14365
- graphite materials, USSR study, 15395
- Inastelloy-X, weld procedure produces quality welds for thick sections, 14364
- heat input rates effects on T-1 and T-1A steel welds, 12894
- machinery, etc., for ships of Navy, military standard, 2154
- operations, monitored by closed circuit TV system, 12893
- opposed arcs permit deep weld penetration with only 1 pass, 2644
- pipe welds, fixture facilitates helium leak testing, 12904
- portable machine head automatically controls arc, 15542
- portable spectrometer monitors inert gas shield in welding process, 16960
- position effect on porosity formation in aluminum alloy welds, 12903
- refractory metals by vapor deposition, 14432
- system maintains constant penetration during fusion process, 11443
- titanium alloys, salt water stress-corrosion cracking characteristics, 17091
- ultrasonic water column probe speeds up testing of welds, 5225
- welded steel penstocks, design, construction, etc., 17178
- Welding torches, *see* Blowtorches.
- Weldments, *see* Welding.
- Welfare, *see* Public assistance—Social work and problems.
- Welfare Administration:
 - practices in providing nursing home care, etc., for—
 - old-age assistance recipients in Cleveland, Ohio, area, GAO report, 8150
 - welfare recipients in California, GAO report, 2354
 - pricing methods used by various States in purchase of drugs under federally aided public assistance programs, GAO review, 9556
 - programs and services, facts, 7234
 - recovery of excess funds accumulated under insurance contract for medical care, GAO review, 8145
 - work registration under Federal-State aid to dependent children of unemployed parents in Ohio, GAO review, 11157
- Welfare funds:
 - Alabama, proposed cutoff, hearings, 6096
 - welfare and pension plans disclosure act—administration, 1966, report of Secretary of Labor, 12764
 - amend with respect to filing of copies and making affidavits, hearing, 4531
 - questions and answers, 14278
 - reporting and bonding provisions, administration and enforcement, Labor-Management Services Administration, Labor Dept., GAO review, 8141

- Welfare in review (periodical), 4061
- 1966 statistical supplement, 5596
- Welfare work, *see* Public assistance—Social work and problems.
- Welland Canal, lockage fees, agreement with Canada, 11872
- Wellner, Charles A., spiral grain, cause of pole twisting, 14129
- Wells, C. Sinclair, jr., injection of drag-reducing fluid into turbulent pipe flow of Newtonian fluid, 14398
- Wells, Jean A.:
 - college women seven years after graduation, 7235
 - continuing education programs for women, 5607
- Wells, John D., geology of Eldorado Springs quadrangle, Boulder and Jefferson Counties, Colo., 11165
- Wells, Paul I., automatic system for analysis of time variant data, 4748
- Wells:
 - aquifer properties and well design for artificial-recharge site, 1128
 - brackish water reverse osmosis tests at Midland, Fort Stockton, and Kermit, Tex., 11217
 - classification definitions, 13045
 - Madera area, San Joaquin Valley, Calif., 12605
- Welsh, Edward C., address, May 5, 1966, 1516
- Welsh, Harold, Navy civil engineer, 3613
- Wen Shi Yu, *see* Yu Wen Shi.
- Wenger, Norman C., resonant frequencies of dielectric sphere immersed in collisional plasma, 12929
- Wengert, E. M., parameters for predicting maximum surface temperatures of wood in exterior exposures, 1096
- Wentz, William H., jr., delta and double-delta wing flow fields at low speeds, 6724
- Wenzel, Guss E.:
 - amplifier drift tester, 8503
 - development of microminiature dc signal-conditioning amplifier, 14483
- Wert, Steven L., wedge measures parallax separations on large-scale 70 mm. aerial photographs, 16659
- Wesoky, Howard L., boundary-layer measurements in accelerated flows near Mach 1, 8497
- West, A. W., report on pollution in Lake Tahoe basin, Calif.-Nev., 9500
- West, Francis J., jr., small unit action in Vietnam, 8332
- West, Hugh L., wage chronology, Firestone Tire and Rubber Co. and B. F. Goodrich Co., Akron plants, 8301
- West, J. M.:
 - mineral industry of—
 - Burma, 2550
 - Indonesia, 6652
 - Malaysia and Singapore, 6658
 - North Korea, 1402
 - Philippines, 2562
 - Thailand, 8368
 - regional mineral industry review of Far East, 11367
- West, James A.:
 - mineral industry of—
 - Afghanistan, 6642
 - India, 8252
 - Kuwait, 2556, 8356
 - Kuwait-Saudi Arabia Neutral Zone, 5112
 - Lebanon, 5113
 - regional mineral industry review of—
 - Near East, 6672
 - South Asia, 8373
- West, Quentin M., paper, Feb. 16, 1966, 16496
- West (U.S.):
 - beet leafhopper, life history, host plants, etc., 5686
 - Far West, engineering and economic aspects of cotton gin operations, 12542

West (U.S.)—Continued

- Federal exploration before 1880, exhibit of maps, surveys, etc., 8516
- forests, aerial techniques for estimating damage by insects, 14078
- fresh fruit and vegetable unloads in western cities by commodities, States, etc., 7831
- irrigation, 1963, quality of surface water, 8185
- Negro social and economic conditions, 15453
- phosphate industry and its resources, evaluation, 11370-371
- progress in range research in 17 western States, 6136
- resource conservation and development project areas, baling wood shavings and sacking sawdust, economic potentials, 10920
- skiing trends and opportunities in western States, 11133
- trans-Mississippi West, historic places associated with mining, ranching, and farming frontiers, 13008
- Twin Creek limestone (Jurassic) in western interior, 8168
- water supply—
 - fall summary, 17206
 - outlook and snow surveys, 4052
- western range and livestock monthly report, 4062
- western rivers, rules of the road, 4421
- wireworms on irrigated lands, control, etc., 10170
- zinc deficiency of field and vegetable crops, 5640
- West Fork River :
 - and tributaries, W. Va., engineer report—departmental edition, 2222
 - document edition, 2069
- West Germany, *see* Germany.
- West Indies :
 - climatological data, 3096
 - lights and fog signals, lists, 5331, 9972, 14578
 - mbogany trees, killing unwanted trees by peeling and frilling, 12573
 - sailing directions, changes, 14572, 17069
- West Virginia :
 - air pollution, climatological aspects, 6219
 - area measurement report, 10338
 - census of agriculture, 1964, State and county statistics, 8962
 - census of mineral industries, 1963, area statistics, 7464
 - climatological data, 3096
 - county business patterns, 4321, 12064
 - electric rate book, 1057
 - mineral industry, minerals yearbook chapter, 6670
 - postal map, 5401
 - precipitation data, hourly, 3401
- Wester, Robert E., suburban and farm vegetable gardens, 8831
- Western Europe, *see* Europe.
- Western Hemisphere, *see* Hemisphere, Western.
- Western hemlock, *see* Hemlock.
- Western larch, *see* Larch.
- Western pine beetles, *see* Beetles.
- Western region, *see* West (U.S.).
- Western States, *see* West (U.S.).
- Western Union Telegraph Co., wage chronology, 14299
- Western Utilization Research and Development Division, publications and patents, semiannual lists, 16, 11925
- Western white pine, *see* Pine.
- Westfall, Benton B., 2d decennial review, conference on cell tissue and organ culture, 18172
- Westmark, David O., regional lactic acid concentration in dogs under acute hypoxia, 1739
- Westport, Conn., behavior of beach fill and borrow area at Sherwood Island State Park, 13976
- Weston, Kenneth C. :
 - nitrogen injection into boundary layer on graphite surface in high-temperature dissociated airflow, 12964
 - stagnation-point boundary layer with suction and injection in equilibrium dissociating air, 8499
- Wetlands, *see* Swamplands.
- Whalen, Mark A., nomination, hearings, 6094
- Whaley, Bob L., fall water supply summary for Nevada, 17205
- Whaling, international convention, schedule, amendments, 7161
- Wharton, Walter J., Extension Service review, 3255
- What are public lands?, 8327
- What kind of a people are we? 18245
- What makes food prices?, 2173
- What will happen to our inland seas? 8244
- What you can do about water pollution, 17768
- Whatever happened to the Individual? (address), 10319
- Wheat :
 - Canadian, marketing, 4816
 - certificates—
 - advance payments to producers, bearing, 17588
 - statutes, compilation, 7262
 - cracked bulgur, good choice for thrifty family, food value, use, recipes, 9341
 - export program conducted by Commodity Credit Corp., GAO review, 14159
 - farm stored, how to control insects, 4112
 - fumigating with methyl bromide, methods, 15861
 - futures—
 - commitments of traders, 3112
 - trading and open contracts, 3368
 - inert dusts as protectants against insects in bins, evaluation, 8835
 - international agreement, extension, protocol, 17246
 - marketing allocation program, need to further revise regulations to minimize loss of proceeds to Government, GAO report, 1100
 - pasture, 4063
 - production, moisture conservation in upper Snake River dryfarming area, 4088, 11723
 - program 1966, statistical summary, 8818
 - rolled, good choice for thrifty family, recipes, 9343
 - utilization research, 4th national conference, 6
 - wheat situation, 4064
 - winter, crop production, 2938
- Wheat flour, *see* Flour.
- Wheeler, Earle G., testimony, hearing, 16394
- Wheeler, Kermit E., legal status of women in Maryland, 1667
- Wheeler, P. C., evaluation of semi-active gravity gradient system, 2597-98
- Wheels, lateral ring metal elastic, absorbs shock loading, 6821
- Whelan, Joseph G., world Communist movement, selective chronology, 12206
- Where and how to get a farm, some questions and answers, 17321
- Where do we go from here (address), 7918
- Where do you go when the go-go's gone? 8797
- Whiskers, boron carbide, straight growth produced in radial furnace, 9836
- Whiskeytown Lake, unit of Whiskeytown-Shasta-Trinity National Recreation Area, general information, 11619
- Whitecomb, Warren, Jr., controlling greater wax moth, pest of honeycombs, 10169
- White, A. M., fabrication process for zinc-aluminum composite pressure tubing, 8967

INDEX 1967

- White, Emily T., statistical reporter, 3900
 White, Ernest J., United States Air Force JAG law review, 3453
 White, George A., culture of crambe, new industrial oilseed crop, 4140
 White, Hosea D., Jr., evolution of satellite IFM encoding systems, 5241
 White, John H., James Millholland and early railroad engineering, 11602
 White, Maurice D., piloted simulation study of operational aspects of staff pitch-up, 12967
 White, Richard A., relief, 12230
 White, Robert M., address, Jan. 31, 1967, 7937
 White Canyon mining district, uranium deposits, 6391
 White-collar pay supplements, 6620
 White-collar workers, see Government officials and employees.
 White County, Nev., Ely mining district, distribution of gold, silver, tellurium, and mercury, 9564
 White fir, see Fir.
 White grubs, see June bugs.
 White House china of Lincoln Administration, 15600
 White Mountain, Alaska, mercury deposits, investigations, 6677
 White pine, see Pine.
 White-pine weevils, see Weevils.
 White rats, see Rats.
 White Sands National Monument, general information, 6986
 White winged doves, see Pigeons.
 Whitesell, Craig D., queensland maple seedlings in Hawaii, growth accelerated after first year, 8090
 Whitling, Wilhelmina F.:
 bituminous coal and lignite mining, 167
 coal mining, 166
 metal mining, 8934
 Whitlow, Jesse W., geology of Potosi quadrangle, Great County, Wis., and Dubuque County, Iowa, 6388
 Whitman, Robert A., iron and steel, 2544
 Whitmore, John, Naval Ship Systems Command technical news, 3609
 Whitney, Linwood F., Jr., cloud measurements using aircraft time-lapse photography, 10967
 Whitney, Warren J., overall stator performance and turbine design, cold air investigation of turbine for high-temperature engine application, 5236
 Whitney, Wayne T., helium-neon laser discharge parameter study, 17086
 Whittaker, James C., costs and returns for hardwood lumber production in Appalachian region of Kentucky and Ohio, 4850
 Whittemore, W. L., differential neutron thermalization, 13323
 Whittick, J. S., analytical chemistry instrumentation, 16933
 Whitton, Rex M., remarks, Nov. 29, 1966, 2844
 Who will open this child's eyes, 15208
 Wholesale prices, see Prices.
 Wholesale trade:
 Azerbaydzhan SSR, wholesale networks, problems, 1171
 census of business 1963, subject reports, bound volume, 7459
 primary market price index, monthly report, 4067
 sales and inventories, monthly report, 3584
 supplement, 5888
 see also names of commodities and industries.
 Whooping cranes, see Cranes (birds).
 Why not be an engineer? 11913
 Why we fight in Viet-Nam, 11824
 Why women work, 13189
 Whyte, William, USDA employee newsletter, 4012
 Wichita, Kans., area wage survey, 5064
 Wichita Mountains Wildlife Refuge, general information, 9516, 14060
 Wichmann, AIC 75 B, lunar chart, 7327
 Wicker, Ed F., seed collection and storage for *Arceuthobium* spp., 9541
 Wicking materials, transport properties and holding characteristics, vapor-chamber fin studies, 14379
 Wideman, F. L., technologic trends in mineral industries (metals and nonmetals except fuels), 5136
 Widows and widowers, widows with children under social security, survey, 2869
 see also Pensions.
 Wiedner, Samuel, radiological health data and reports, 3805
 Wier, Kenneth L., geology of Kelso Junction quadrangle, Iron County, Mich., 6392
 Wigner coefficients, see Coefficients.
 Witata, S. W., water resources of Marquette Iron Range area, Mich., 14183
 Wilcox, Ansley, House, see Ansley Wilcox House.
 Wild animals, see Animals.
 Wild Bill range, see Coconino National Forest.
 Wild Rice River and Valley:
 south branch, and Felton ditch, channel improvement, engineer report—
 departmental edition, 9422
 document edition, 9071
 Wilder, Charles S.:
 acute conditions, incidence and associated disability, United States, 14637
 cost and acquisition of prescribed and nonprescribed medicines, U.S., 5467
 health characteristics by geographic region, etc., 10068
 Wilderness areas:
 Desolation primitive area, Sierra Nevada, Calif., mineral resources, 11169
 Devil Canyon-Bear Canyon primitive area, Calif., mineral resources, 8155
 High Uintas primitive area, Utah, mineral resources, 12598
 importance (address), 10158
 national forests, 8838
 national system, annual report, 7607
 Pine Mountain primitive area, Ariz., mineral resources, 11166
 San Geronimo Wilderness Area, family winter recreational use, hearings, 2050
 studies related to wilderness (series), 8155-56, 11166, 12598
 studies related to wilderness-primitive areas (series), 11169, 12604
 studies related to wilderness-wildlife refuges (series), 17821
 Wilderness, Battle of the, 1864, where hundred thousand fell, 1533
 Wildlife:
 code of Federal regulations, 9486
 conservation—
 career preparation, 6352
 estuarine areas, preserve, etc.—
 hearings, 4635, 9164
 report, 695
 protection, and propagation of endangered native species, law, 388
 fish and wildlife programs, 6348
 Greenspan grants to provide more space, general information, 5672
 man and wildlife, animal damage control policy, for Sport Fisheries and Wildlife Bureau, 11078
 monolayers for evaporation control of water, effect on wildlife, 7102
 publications, price list, 18149
 rare and endangered, U.S., list, 2281
 special scientific reports, wildlife series, 4809-10, 6357, 12550, 14067-68, 15268, 16633-635
 water resource projects, cost sharing grants, report, 16368
 wildlife leaflets, 11091, 16637, 17788

- Wildlife—Continued**
wildlife review, abstracting service, 4068
see also Animals.
- Wildlife refuges:**
managers, address list, 4805
national—
general information, 4808, 17785
list, 6355
northeast, region 5, 1078
surplus animal disposal, 16622
Washington Coast, general information, 9518
National Wildlife Refuge System, administration, law, 388
refuge leaflets, 1078-79, 2277-79, 4803-6, 6353-55, 8027-32, 9516-19, 11079-89, 12547, 14060, 15259-263, 16622, 17773-782
studies related to wilderness-wildlife refuges (series), 17821
see also names of refuges.
- Wiley, Llewellyn N.:**
describing airman performance in administrative career ladder by identifying patterns of trait ratings, 11952
job types of communications officers, 15892
- Wilford, Enid L.,** architecture, building engineering, 13266
- Wilhite, Lawrence P.,** summer planting of slash pine shows promise in Florida, 8118
- Wilkinson, Thomas L.,** moisture cycling of trussed rafter joints, 8101
- Williamette River and Valley, French Prairie area,** geology and water resources, 14179
- Willard Dam,** technical record of design and construction, 8671
- Willford, Wayne A.,** investigation in fish control, 16624
- William Langer Jewel Bearing Plant:**
designate—
law, 488
report, 2091
- Williams, Carroll E., Jr.:**
characteristics of forest floors and soils under true fir-hemlock stands in Cascade Range, 11139
differential effects of 1944-56 spruce budworm outbreak in eastern Oregon, 1097
possible grouse damage on true firs, 1090
snow damage to coniferous seedlings and saplings, 1091
- Williams, Ellis T.,** timber owner and his Federal income tax, 10161
- Williams, Frank E.:**
fluorspar deposits of New Mexico, 2540
urbanization and mineral aggregate industry, Tucson, Ariz. area, 5105
- Williams, Frederick W.,** prediction of absolute entropies from gas chromatographic retention data, 18111
- Williams, Garnett P.,** flume experiments on transport of coarse sand, 16695
- Williams, Grover S.,** digest of public general bills and selected resolutions, 3206
- Williams, Jack C.,** soil survey, Gray County, Tex., 8697
- Williams, James D.:**
effects of air pollution, 5441
metropolitan planning program relationships to air resource management, 13084
opinion surveys and air quality statistical relationships, 5442
paper, Apr. 26, 1967, 17116
- Williams, John A.:**
soil survey of—
Beaver Creek area, Ariz., 11803
Zuni Mountain area, N. Mex., 15749
- Williams, Llewellyn,** growing ginseng, 14742
- Williams, Muriel,** relief, 298, 590
- Williams, Peter M.,** simulation of gaseous core nuclear rocket mixing characteristics using cold and arc heated flows, 12848
- Williams, Robert L.,** prolonged stage 4 and 1-REM sleep deprivation, EEG, task performance, and psychologic responses, 15900
- Williams, Roger L.,** reconnaissance of yttrium and rare-earth resources in northern New Jersey, 6674
- Willis, Conrad M.,** geometric efficiency of electroformed nickel solar concentrator, 14469
- Willis, Doreen D.,** relief, 9230, 13502, 13600
- Willis, R. P.,** geology of Arabian Peninsula, Bahrain, 6405
- Williston, N. Dak.,** District Court term, additional place, report, 12395
- Willmorth, Norman E.,** influence of screening and overlapping imagery on speed and accuracy of photo interpretation, 14804
- Willow Springs and Sag Junction diversions,** Chicago Sanitary and Ship Canal, Ill., 10962
- Willows,** stored, relation of visual estimates of decay to specific gravity loss, 2299
- Wilmarth, Harold G.,** relief, 280, 613, 840
- Willmot, Charles A.,** engineering and economic aspects of cotton gin operations, Mid South, west Texas, Far West, 12542
- Wilson, Billy P.,** sediment porosity meter, feasibility study, 10303
- Wilson, Cynthia V.:**
climatology, Northern Hemisphere, 14793
radioactive fallout in northern regions, 14794
- Wilson, James E.:**
Apollo program pace and progress, 10676
future national space objectives, 2058
- Wilson, James W.,** movement and predictability of radar echoes, 6220
- Wilson, Mildred S.,** euryhaline copepod genus *Eurytemora* in waters of Cape Thompson region, Alaska, 6943
- Wilson, Peter C.,** inventory of U.S. exploratory longline fishing effort and catch rates for tunas and swordfish in northwestern Atlantic, 14063
- Wilson, R. E.,** handbook of supersonic aerodynamics, sec. 13-14, viscosity and heat transfer effects, 1542
- Wilson, Ralph A.,** Project Fire Scan, fire detection interim report, 8106
- Wilson, Richard F.,** correlation of Upper Triassic and Triassic (?) formations between southwestern Utah and southern Nevada, 6393
- Wilson, Robert W., Jr.,** Northeastern forest-inventory data-processing system, 11134
- Wilson, Ronald J.:**
landing contact conditions—
X-15 airplane, 5271
XB-70 airplane, 11548
- Wilson, Ronald W.,** cigarette smoking and health characteristics, 10067
- Wilson, Setsuko,** relief, 9254, 13602, 17490
- Wilson, N.Y.:**
harbor, engineer report—
departmental edition, 10963
document edition, 10510
- Wilson, Woodrow Memorial Commission,** *see* Woodrow Wilson Memorial Commission.
- Wilson's snipes,** *see* Snipes.
- Wilt disease,** bacterial wilt and Stewarts leaf-blight of corn, 5626
- Wiltzius, William J.,** effects of monolayers on insects, fish and wildlife, 7102
- Winalski, Patria,** model secondary school for deaf art, legislative summary, 8192
- Winchell limestone,** *see* Limestone.
- Winchester, Clarence P.:**
effects of protein and energy intake on nitrogen retention and growth of cattle, 1723
malnutrition of young cattle, effect on feed utilization, eventual body size, and meat quality, 14765
- Wind,** *see* Winds.
- Wind River Arboretum,** pioneer search for better kind of trees for Northwest, 14147

- Wind River Reservation, lands in trust status, report, 15074
- Wind tunnels:
 - ablative heat shield materials for X-15-2, arc-tunnel evaluation, 5238
 - Apollo testing program, historical development of general configurations, 2722
 - interference factors for tunnels of arbitrary cross-section, calculating method, 14393
 - investigation of static aerodynamic characteristics of all-flexible parawing vehicle, 11488
 - low-subsonic, paraglider configuration, free-flight drop-test investigation, 1475
 - tables of interference factors for use in correcting data from VTOL models in wind tunnels with 7 by 10 proportions, 9825
 - tests, subsonic transport with aft engine nacelles and high tail, 5268
- Windber, Pa., demonstration mine using longwall mining techniques, feasibility study and supplement, 7868
- Windbreaks, forest and windbarrier planting and seeding in U.S., report, 8127
- Windeler, A. Stewart, Jr.:
 - effect of flow rate on parotid fluid calcium—
 - and protein levels, 7363
 - magnesium, and protein concentrations in human, 10239
- Window wipers, *see* Windshield wipers.
- Windows:
 - controls for automotive vehicles, Federal standard, 6326
 - rear window defogger for automotive vehicles, Federal standard, 6332
- Winds:
 - components of 1000-mb. winds of Northern Hemisphere, 6991
 - evaluating winds aloft by simplified field technique, 4838
 - jet streams, parameters and forecasting instructions in Kazakhstan, USSR, 4994
 - launch vehicle wind and turbulence response by nonstationary statistical methods, 15505
 - profiles, sphere behavior, and measurement, 11537
 - Santa Ana winds, 3-dimensional structure, characteristics, 4855
 - surface wind roses, monthly and annual, resultant surface winds, midseasonal, maps, 13989
 - temperature and wind velocity combinations, recurrence in lower 100-m layer of atmosphere, experimental calculation, 11565
 - upper stratosphere and mesosphere measurements, 17012
 - upper wind code, WBAN coding instructions, manual, 18254
 - see also* Solar wind.
- Windshield wipers and washers for automotive vehicles, Federal standard, 6322
- Windward Islands:
 - Dominica—
 - Bredin-Archbold-Smithsonian biological survey, 5316, 6962, 11612 14540
 - diptera (Anisopodidae and Bibionidae), new species, 6962
 - echinoids, 5316
 - marine archannelids, 11612
 - Peace Corps program, agreement, 11850
- Wine:
 - imports into D.C., limit—
 - hearings, 12294
 - report, 14993
 - unit for beverage use, tax-free withdrawal from bonded storage—
 - law, 16129
 - reports, 9088, 15092
- Wing-body combinations, *see* Airplanes.
- Wingate, John W., small store planning for growth, 2857
- Wingate, Robert T., matrix analysis of longitudinal and torsional vibrations in non-uniform multibranch beams, 6886
- Wings (aircraft):
 - and wing-body combinations in supersonic flow, integrated approach to analysis and design, 1493
 - aspect ratio and curvature variations for axial-flow-compressor-inlet stages under high loading, 9916
 - aspect-ratio 6 conical parawing utility vehicle, flight characteristics, 5229
 - curved-leading-edge, employing various degrees of twist and camber, aerodynamic characteristics at Mach 2.03, 6874
 - delta and double delta flow fields at low speeds, 6724
 - delta, sharp-edge, vortex lift, concept based on leading-edge-suction analogy, 2726
 - diamond-cross-section delta wing configurations, hypersonic performance, 9884
 - fusion welded simulated structure under environment of supersonic transport, fatigue material, 16905
 - large semispan tilting wing, etc., aerodynamic data, 1485, 6855, 15537
 - leading-edge separation, aerodynamics of slender wing-body combinations, theoretical investigation, 8415
 - low-aspect-ratio, ram-air-inflated fabric, static aerodynamic characteristics, 17007
 - parawing, all-flexible—
 - landing lifting-body spacecraft, low-speed tests, 11550
 - wind-tunnel investigation of static aerodynamic characteristics, 11488
- sailing, aerodynamic characteristics, 14465
- skewed wing-tip controls, effect on variable-sweep wing-fuselage configuration, 8487
- swept arrow wing model with variations in horizontal-tail height, wing height, and dihedral, static stability characteristics, 14473
- swept, wake momentum surveys of boundary-layer skin friction, 2725
- tension-structure parawings, low-speed wind-tunnel investigation, 14454
- tilting, large semispan, with 0.5-diameter chord, single-slotted flap, and single propeller 0.19 chord below wing, aerodynamic data, 9879
- triangular and modified triangular, planform effects on aerodynamic characteristics, errata, 1420
- wing body combinations cranked leading edge, aerodynamic characteristics, 18039
- Winnibigoshish band of Chippewa Indians, *see* Chippewa Indians.
- Winnick, Pauline, it's the latest, it's the greatest, it's the li-ber-ee, 12466
- Win-slow, John D., geology and ground-water resources of Portage County, Ohio, 11172
- Winstead, Jack A., mechanism of substrate protection of enolase and lactic dehydrogenase against ionizing radiation, 14774
- Winter:
 - construction practices, earthwork, concrete and asphalt survey, 98
 - maintenance of Haines Road, agreement with Canada, 8728
 - winter storms, general information, 17739
- Winter wheat, *see* Wheat.
- Winters, Harold F., vegetable gardening in Caribbenn area, 15836
- Wipers (window), *see* Windshield wipers.
- Wire:
 - barbed wire command, 14796
 - embedment and other metallurgical and mechanical characteristics of cross-wire resistance welds, 2698
 - film boiling from horizontal wire, laminar flow analysis, 14456

Wire—Continued

- high temperature stranded hookup wire, evaluation tests, 11459
- hot wire techniques in low density flows with high turbulence levels, study, 6841
- material reduces compressor blade vibration, 6824
- matrices, gases flowing through at surface temperatures to 5500° R, forced-convection heat-transfer correlations, 9913
- silver-base ternary alloy proves superior for slip ring lead wires, 5212
- smoke-wire technique for measuring velocities in air, 10293
- teflon insulated, technique for stripping, 8471
- see also Electric wire and wiring—Exploding wires.
- Wire bar supports for reinforced concrete construction, standard of trade, 6919
- Wire communication, demand for flowers-by-wire, 10179
- Wire feed manipulators, manipulator and welding torch, 17993
- Wire mills, scrap and metal consumption and stocks, mineral industry survey, monthly, 3062
- Wire tapping:
 - prohibit wire interception and eavesdropping, hearings, 10358, 17662
 - right of privacy act of 1967, hearings, 12306
 - use by persons other than officers investigating crimes, prohibit, hearings, 15166
- Wiring, see Electric wire and wiring.
- Wireworms, irrigated lands in the West control, etc., 10170
- Wirtz, Willard:
 - addresses, etc.—
 - Jan. 22, 1964, 5033
 - Oct. 18, 1966, 1349
 - Oct. 24, 1966, 1354
 - Oct. 25, 1966, 1353
 - Dec. 28, 1966, 5038
 - Dec. 29, 1966, 5037
 - Feb. 6, 1967, 6589
- Secretary of Labor, accepting on behalf of the President the—
 - Family of Man award (remarks), 1353
 - Margaret Sanger award in world leadership (remarks), 1349
- Wisander, Donald W., wear and friction of polymer laminates in liquid nitrogen and in liquid oxygen, 2693
- Wisconsin:
 - area measurement report, 12036
 - census of agriculture, 1964, State and county statistics, 7506
 - census of manufactures, 1963, area statistics, 165
 - census of mineral industries, 1963, area statistics, 4299
 - climatological data, 3096
 - county business patterns, 1871, 13384
 - electric rate book, 6264
 - hardwood face veneer and plywood—
 - distribution and end-uses, 8074
 - mill closures, 2308
 - iron formations, samples and metallurgical evaluation, 6678
 - landings, fishery products, 3553, 11073
 - mineral industry, minerals yearbook chapter, 6671
 - pollution of interstate and intrastate waters of upper Mississippi River and its tributaries, conference, proceedings, 14052, 15253
 - precipitation data, hourly, 3401
 - soil survey laboratory data and descriptions, 17209
- Wisner, Leland F., scheduled air taxi operators, 9446
- Wispé, Lauren, attitudes and motives of MDTA trainees, pilot, investigation, 5035

- Witches' broom disease, Gymnosporangium clavariiforme in witches'-brooms of Juniperus communis, 8809
- Witnesses, National Advisory Commission on Civil Disorders, investigations, compulsory attendance, testimony, and production of evidence, law, 13541
- Wives, working, their contribution to family income, 11914
- Wolcott, Don E., geology of Hot Springs quadrangle, Fall River and Custer Counties, S. Dak., 12597
- Wolf, Ken, bacterial kidney disease of salmonid fishes, 4802
- Wolf Creek Dam, fish hatchery, establish, hearing, 10665
- Wolf Lake, pollution of interstate waters, progress evaluation meeting, 14053
- Wolf Trap Farm Park:
 - establish—
 - law, 12155
 - reports, 625, 665, 873, 2086
- Wolfe, Jack A., tertiary plants from Cook Inlet region, Alaska, 2365
- Wolfe, William L., handbook of military infrared technology, 8584
- Wolfgang, Marvin E., culture of youth, 7232
- Wolfson, David E.:
 - carbonizing properties of coals from—
 - Fayette and Greenbrier Counties, W. Va., 2376
 - Logan and Mingo Counties, W. Va., 5130
- Wollerman, Edward H.:
 - boxelder bug, 17795
 - locust borer, 9529
- Womack, David P., measurement of dynamic characteristics of soils with penetrometers, 14396
- Women:
 - changing patterns of women's lives, fact sheet, 10136
 - civil and political status, 1966 State legislation, highlights, 11910
 - college, 7 years after graduation, resurvey, 7235
 - Congress, 90th, biographies, 14728
 - continuing education programs, 5607
 - counseling—
 - and guidance, 7236
 - awareness, analysis, action, 13968
 - earnings in poor families, fact sheet, 7238
 - educational attainment, trends, 7239, 14726
 - fact sheets, 7237, 13186
 - employment and training opportunities in professions, selected readings, 1669
 - employment of women with family responsibilities, ILO recommendation, 5990
 - employment, sex discrimination, laws, 17295
 - equal pay—
 - activity in State legislatures, 2974
 - laws by State, 2975
 - under Fair labor standards act, as amended, 7224
 - family and property law, summary—
 - New Jersey, 10138
 - New York State, 10139
 - Ohio, 13187
 - Federal employment of women (periodical), 3280
 - fuller utilization of talents (address), 8798
 - highlights of 1966 State legislation, 11910-911
 - international cooperation on programs advancing status of women, reports of U.S. Government agencies, 8793
 - Job Corps centers, facts, 10908
 - jobs that count in Air Force, 10223
 - jury service, eligibility, laws, 5603
 - legal status in U.S., Maryland, report, 1667
 - mature workers, bibliography, 5597
 - Michigan, upper Peninsula economy, conference, 2977

INDEX 1967

Women—Continued

- Negro, in U.S., new roles, new challenges (address), 1668, 16142, 17296
- New York City, counseling and vocational guidance services, 5599
- nonwhite, educational attainment, fact sheet, 13185
- nonwhite workers, fact sheet, 5601
- North Dakota, new horizons, conference report, 5606
- officers in Armed Forces, remove promotion restrictions, etc., amend U.S. code—
 - hearings, 9148
 - report, 10565
- political rights, convention, hearings, 7806, 16410
- professional and technical positions, fact sheet, 5602
- progress—American women, news release, 5776
- serving America as woman marine, 11341
- State labor laws, summaries—
 - Delaware, 8794
 - Feb. 1967 summary, 11907
 - Ohio, 11912
- State legislation of special interest, 10141
- status—
 - progress in 1966, report, 15323
 - statewide meeting of Governor's Commission on Status of Women, held at Des Moines, Iowa, 10143
- unions and changing status of women workers, conference, 5608
- unless we begin now (equal employment opportunity, address), 1932
- war on poverty, conference proceedings, 16481
- why not be an engineer? 11913
- why women work, 13189
- womanpower policies, 17886
- women and the year 2000 (remarks), 4246
- women in poverty, jobs and need for jobs, 14727
- work in Forest Service, career opportunities, 13231
- workers—
 - maximum daily hours, by States, 2976
 - maximum weekly hours, by States, 8795
 - New York State, 1670
 - Oklahoma, 2978
 - Oregon, 2979
 - Pennsylvania, 5610
 - underutilization, 5609
 - United States, background facts, 14725
 - utilization, 18255
- working women and day care needs, consultation, preliminary report, 15820
- Women workers, see Women.
- Women's Bureau:
 - bulletins, 5598, 7235
 - leaflets, 5604-5, 11913, 13188
 - pamphlet, 5607
 - publications, list, 5604
- Women's clothing, see Clothing—also names or types of clothing.
- Wong, Edgar L., reaction rates of carbon monoxide with hydroxyl radicals and oxygen atoms, 16997
- Wong Ock Wah, see Hom Sheek See, and wife
- Wood, David A., tumors of intestines, 15181
- Wood, Don J., effect of propellant-feed-system coupling and hydraulic parameters on analysis of chugging, 11491
- Wood, Fergus J., Prince William Sound, Alaska, earthquake of 1964 and after-shocks, 12117
- Wood, Robert C.:
 - addresses—
 - Apr. 26, 1967, 11269
 - Sept. 8, 1967, 16716
 - bibliography of published works, 6416
- Wood, Robert E., equation of state for helium nitrogen mixtures, 8374

Wood, A. R., Manufacturing Co., President's E award for export excellence presentation (remarks), 4448

Wood:

- and related products, trade and tariff information, summaries, 8765
- Appalachian woods, suitability for sanitary tissue and toweling, 8100
- aspen characteristics, properties, and uses, review of recent literature, 14134
- bleaching, 15282
- brick tile for paneling, 14133
- charring rate—
 - review of information, 8059
 - selected woods, transverse to grain, 11132
- composites, industrial evaluation of radiation, 5780
- construction, picnic shelter, building plan, 5661
- cordwood yields from thinnings in young oak stands in Missouri Ozarks, 2307
- decay in houses, how to prevent and control, 17316
- effect of inorganic salts on pyrolysis determined by dynamic thermogravimetry, 8103
- fire performance, publications, list, 14081
- light-induced free radicals in wood, 4846
- lignin production and detection in wood, 8060
- members, effect of size on bending strength, 1094
- modified woods, list of publications, 8054
- paintability of 2 Hawaii-grown woods, 4843
- preservation, publications, list, 14083
- products—
 - home and farm building, selection and use, 7264
 - military support activities, Pacific basin market, 1098
 - probe for accurate determination of moisture content, 2298
- shavings, economic potentials for baling, in western resource conservation and development project areas, 10920
- stake tests, comparison of wood preservatives, 1967 progress report, 15281
- structural design for buildings, Army technical manual, 10273
- structural elements in tension, horizontal testing machine, 8062
- untreated, factors influencing decay, 8066
- used for cabins, rustic work, and unseasoned, protecting from injurious insects in eastern United States, 5627
- wood-base fiber and particle panel materials, thermal conductivity, 14124
- see also Heartwood—Softwood—also names of articles manufactured from wood.
- Wood County, Ohio, soil survey report, 5317
- Wood finishing:
 - painting outside wood surfaces, 1088
 - publications, list, 14082
- Wood poles, see Poles.
- Wood preservation, see Wood.
- Wood preservatives:
 - comparison in Mississippi post study, 1967 progress report, 11110
 - comparison, stake tests, 1967 progress report, 15281
 - preservative treatment of fence posts and farm timbers, 10165
- Wood pulp:
 - current industrial reports, 3169
 - factors for converting Mid-south pulpwood from cords to cubic feet, 8096
 - harmful pitch in woodpulp, review of methods for estimating, 11112
 - production—
 - north central region, 1965, by county, 2337
 - southern, 2339
 - pulpwood prices in Southeast, 2319, 15286

Wood pulp—Continued
pulpwood production in Northeast, 4857,
8122, 14146
revised table, 17807
rising pulpwood prices stimulate largest
Lake States pulpwood harvest, 14101
see also Paper.

Woodcocks:
hunting, possession, transportation, impor-
tation in Alaska, 1967-68, Federal regu-
lations governing, 14061
research and management, 14068

Woodfin, Richard O., jr., computer program
for calculating veneer recovery volume and
value, 16644

Woodhouse, W. W., jr., dune stabilization
with vegetation on Outer Banks, N.C.,
16523

Woodlands, *see* Forests and forestry.

Woodmansee, Walter C.:
mineral industry of—
Algeria, 2549
Ethiopia, 6649
Liberia, 6654
Libya, 6655
Malagasy Republic, 6657
Morocco, 8357
Nigeria, 6662
other areas of Africa, 12805
Senegal, 8363

Woodpulp, *see* Wood pulp.

Woodrow Wilson Memorial Commission, final
report, 766

Woodruff, Robert E., review of genus
Eupaxia, etc., review, 15606

Woods, John C., soil survey of Houston and
Peach Counties, Ga., 14656

Woods, *see* Wood.

Woodward, Henry T., prediction of shock-
layer radiation from molecular band sys-
tems in proposed planetary atmospheres,
6890

Woodworking machinery:
and equipment, Federal item identification
guides for supply cataloging, supple-
ments, 3286
wood shaper, how to inspect chart, 9692

Woody plants, *see* Plants.

Wool:
and related data, statistics 1920-64, 1966
supplement, 13249
and wool tops, futures trading and open
contracts, 3366
automating weaving looms, 1186
broad woven goods, current industrial re-
ports, 3170
consumption on woolen and worsted sys-
tems, current industrial reports, 3169
foreign agriculture circulars, 3345
futures, commitments of traders, 3111
market news, weekly summary and sta-
tistics, 3518
production—
price and value, 8763
revised estimates, 1960-64 by States,
7297
shorn, 14701
textiles, depth of cut in tariff rates, 6th
round GATT trade negotiations, 13354
wool situation, 4069
yarn and broadwoven fabric, industry
wage survey, 15446
see also names of articles or materials
manufactured from wool.

Woolens, machinery activity, current indus-
trial reports, 4346, 12083

Woollett, Richard R., magnitude of non-
linearity in collisionless magnetoplasma
waves, 5253

Wooten, Elzie H., nomination, hearing, 6123

Worcester, Mass., area wage survey, 15443

Word, John L., static parasitic speed con-
troller for Brayton-cycle turboalternator,
17004

Words, memory word line configuration al-
lows high storage density, 6780

Work:
changing cultural patterns, 5042
construction industry safe work guides,
11302-306
equal pay for equal work under fair labor
standards act, 11897
jobs and mentally restored, memo to psy-
chiatrists, 5051
motivational factors affecting Army re-
search and development personnel, 4228
platform is supported by self-locking
blades, 12906
prisoners, release program for persons
sentenced by courts of D.C.,
authorize—
hearings, 727
law, 507
rural youth, what kind of work would you
like to do? 15222
when injured at work, Federal employees
guides, 7921, 15219
work performance of physically impaired
workers, 14612
work statement preparation, AFSC, 5701
see also Employment — Occupations —
Women.

Work accident costs, 9718

Work injuries, *see* Injuries.

Work Programs Bureau, 1 *see* a future, de-
scription of programs, 17297

Work stoppages, *see* Strikes and lockouts.

Workable program for community improve-
ment, guide for citizens advisory commit-
tees, 9579

Workbooks, Atlantida, case study in house-
hold sample surveys, 10387

Workers, *see* Farm labor—Labor—Personnel
workers—Volunteer workers—Women.

Working for U.S.A., 14869

Working mothers, *see* Mothers.

Working wives, their contribution to family
income, 11914

Working women, *see* Women.

Workmanship standards for fusion welding,
14365

Workmen's compensation, *see* Employers' lia-
bility and workmen's compensation.

Workshops:
bioengineering research and manpower,
national workshop, Philadelphia, Pa.,
Nov. 9, 1965, proceedings, 15703
sheltered—
and rehabilitation facilities, standards,
10129
pathway to regular employment, 6593
report of Secretary of Labor to Con-
gress, 18252
under fair labor standards act, wage pay-
ments to handicapped clients, technical
report, 18252
Workshop for Baptists on deafness and
rehabilitation, University of Tennessee,
2968
workshop series of Pharmacology Section,
N.I.M.H., 17173

World affairs, *see* International relations.

World agricultural production and trade,
statistical report, 4072

World agricultural situation, review of 1966
and outlook for 1967, 4702

World atlas of atmospheric radio refractiv-
ity, 4747

World Communist movement, selective
chronology, 12206
print as House document, reports, 10593,
10787

World Farm Center:
endorse the concept, resolution—
hearing, 17634
report, 13626

World food needs (paper), 16496

World food problem, report of President's
Science Advisory Committee, 11706-707

World food situation, prospects for world
grain production, consumption, and trade,
15209

- World geography II, study guide, 15180
 World list of future international meetings, 4073-74
 World motor vehicle production and registration, 8926
 World power data, capacity of electric generating plants, etc., 1058
 World production and trade, tallow & greases, 4817
 World strength of Communist Party organizations, 13155
 World trade, *see* Commerce.
 World War, 1914-18, *see* European war, 1914-18.
 World War, 1939-45:
 Italian Armed Forces records, guide, 17028
 Japanese operations in southwest Pacific area, 11992
 Marine Corps operations, central Pacific drive, 12783
 neuropsychiatry, in zone of interior, 13311
 United States Army in World War II, 5096
 World weather records, 1951-60, Asia, 9435
 Worldwide military commitments, hearings, 944, 10816
 Worley, Charles E., micrometer measures of 1164 double stars, 15623
 Worms, *see* names of worms.
 Worrell, L. W., motors, spring, weight and animal-powered, classification definition, 18130
 Worsted:
 machinery activity, current industrial reports, 4346, 12083
 systems, consumption, current industrial reports, 3169
 Worth, Muriel P., public roads, journal of highway research, 3785, 10071
 Worthington, Norman P., labor requirements in thinning Douglas-fir and western hemlock on 2 experimental forests in western Washington, 4837
 Wortz, E. C., astronaut capabilities to perform extravehicular functions in weightless conditions, 15507
 Wounds, transportation of sick and wounded, Army field manual, 100
 Woven goods, *see* Textiles—Wool.
 Wrecking:
 demolition operations—
 how to inspect chart, 9693
 occupational safety aid, 9719
 safety training programs, instructor outline, 1357
 Wrenches:
 pneumatic wrench retains or discharges nuts or bolts as desired, 6701
 single wrench separates nuts from free-floating bolts, 14363
 ultrasonic wrench produces leaktight connections, 17965
 Wrestler, Clifton G., jr., drag measurements in stream with sinusoidally fluctuating velocity in longitudinal direction, 5749
 Wright, Evan B., potential and magnetic moment of superconducting torus in non-axial uniform magnetic field, 9986
 Wright, Stanton Macdonald, art, retrospective exhibition, 11593
 Writing:
 Air Force writing (periodical), 3010
 and editing positions, printed media, radio, television, etc., examination announcement, 4411
 amendment, 10418
 brush up on your writing with these selected U.S. Government publications, list, 17130
 contest news, hospitalized veterans writing project, 5584
 need to read and write, adult basic education, leaflet, 10936
 text-workbook for success in Navy—
 book 1, 2778
 Writing—Continued
 text-workbook for success in Navy—con.
 book 2, 2779
 recruit's day-to-day experiences, 2780
 WS series, 3361
 Wu, Chang-You, relief, 10543, 13483, 13741
 Wupatki National Monument, general information, 8563
 Wurmbbrand, Richard, testimony, hearing, print additional copies, report, 12371
 Wykes, Arthur A.:
 tissue monoamine oxidase inhibitions by convulsogenic doses of hydrazines and related Be-hydrazones, 4181
 toxicology of boron hydrides, etc., 7357
 Wynn, N. A., Jr., costs of storing and handling farmers' stock peanuts in commercial facilities, 10923
 Wyoming:
 alpine soils, pot tests of productivity and nutritive status, 2317
 census of agriculture, 1964, State and county statistics, 8965
 census of mineral industries, 1963, area statistics, 4300
 climatological data, 3096
 county business patterns, 12065, 17428
 electric rate book, 11027
 iron ore deposits, description, etc., 5104
 lodgepole pine, yield tables for managed stands, 11140
 mineral industries, water requirements and uses, 12796
 mineral industry, minerals yearbook chapter, 2566
 natural resources, 2392
 northwest, gold-bearing sedimentary rocks, preliminary report, 9569
 phosphate industry and its resources, evaluation, 11370
 Pierre shale—
 Cretaceous, new echinoid, 2363
 upper Cretaceous, Red Bird section, 2363
 postal map, 5402
 precipitation data, hourly, 3401
 radioactivity, airborne, 1952-55, maps, 1803
 reimburse for improvements on lands in Sweetwater County—
 law, 12161
 report, 661
 sedimentary rocks, chemical composition, 14172

X

- X-11 variant of census method II seasonal adjustment program, 5902
 X-15, *see* Airplanes.
 X-258 rocket motor, *see* Rockets.
 X-ray apparatus spectral energy distribution of unfiltered X-rays from 250 kV constant potential machine, 1789
 X-ray photography, *see* Radiography.
 X-ray spectra, *see* Spectra.
 X-ray technicians, training, national conference, proceedings, 2830
 X-rays:
 beta excited sources, absorptiometry, interim report, 5770
 celestial sources, high angular resolution studies program, 8428
 continuum radiation emitted from high temperature plasmas, to determine electron temperature, 11681
 crystallographic data, molar volumes, and densities of minerals and related substances, 17818
 diagnosis, USSR study, 1257
 diffraction, powder patterns, 15591
 electron beam parallel X-ray generator, 17983
 electron beam welder X-rays its own welds, 14423
 fluorescent excitation using isotopic X-ray emission, 5779

X-rays—Continued
 improved grazing incidence optics, laboratory program to develop, 6726
 isotopic sources for portable stress analysis equipment, feasibility, 14809
 machine simulator, 18191
 monoenergetic, from alpha emitting isotopes, generation and practical use, 4234
 packaged disaster hospital X-ray section, establishing, operating, etc., 2822
 pepsin structure, USSR studies, 12725
 roentgenograms, bite-wing, use to evaluate dental caries increments, 14321
 soft, photoionization detector, 9838
 solar spectrum, reproduced in vacuum, 12895
 source, uses interchangeable target anodes to vary wavelength, 14424
 structural crystallography of globular proteins, USSR study, 12726
 wavelength conversion tables and graphs for qualitative electron probe microanalysis, 17039
 wavelengths, and X-ray atomic energy levels, 17036
XB-70, see *Airplanes*.
Xenon:
 dilute, viscosity and thermal conductivity coefficients, 11589
 fluoride solutions effective as fluorinating agents, 12836
 fluorides show potential as fluorinating agents, 12839
 forms stable compound with fluorine, 5139
 Ximenes, Vincente T., nomination, hearing, 10863
XV-9A hot cycle research aircraft, see *Aircraft*.
XV-11A, see *Airplanes*.
Xyloterinus politus, see *Beetles*.

Y

Yakima project:
 Kennelick division extension, construction, etc.—
 hearing, 9319
 report, 7777
Yakobson, Sergius, intellectual ferment in Soviet Union, 4571
Yakowitz, H., homogeneity characterization of NBS spectrometric standards 3, white cast iron and stainless steel powder compact, 2737
Yakut-Autonomous Soviet Socialist Republic, seismicity of Yakutiya, USSR book, 16769
Yakut Scientific and Research Institute of Tuberculosis, meeting, 1333
Yang, Kimberly A., relief, 776
Yang, Kuo-Hua, relief, 12356
Yannakakis, John E., relief, 13607, 13772
Yards and Docks Bureau, see *Naval Facilities Engineering Command*.
Yarn:
 production, current industrial reports, 4347, 17437
 change sheet, 7482
 spun, for sale, current industrial reports, 3169
Yates, Harry O., III, key to Nearectic parasites of genus *Rhyacionia*, with species annotations, 16649
Yaukey, Raymond S., basic data on economy of United Arab Republic (Egypt), 12132
Yaw:
 coupling in turning maneuvers of large transport aircraft, simulator and flight study, 11494
 Geminal configurations, damping and stability in pitch and yaw, errata, 1474
Yengo, Patricia H., education, PACAF basic bibliography, 8866
Yearbooks:
 agriculture, 11st, 8620
 Intermountain region, Forest Service, 15280

Yearbooks—Continued
 minerals, 1964, International—
 departmental edition, 1406
 document edition, 515
 minerals, 1965—
 area reports, domestic—
 departmental edition, 12810
 document edition, 12194
 fuels—
 departmental edition, 11366
 document edition, 10495
 metals and minerals except fuels—
 departmental edition, 9761
 document edition, 9049
Yellow birch, see *Birch*.
Yellow peach moths, new plant pest, description, etc., 7285
Yellow poplar, see *Tuliptree*.
Yellowstone National Park:
 elk population, control, hearings, 10803
 general information, 11620
Yellowstone (United States ship):
 deployment to Malta, agreement, 15800
Yellowtail Dam and Reservoir, see *Missouri River Basin project*.
Yellowtail unit, see *Missouri River Basin project*.
Yeloushan, Charles C., mineral industry of Pennsylvania, 8362
Yemen:
 background notes, 14669
 capsule facts for Armed Forces, 15919
 road of Yemeni revolution, 12754
Yen, Yin-Chao:
 heat conduction in moist porous media, 10256
 melting problem with natural convection, 17376
 natural convection in ice melting from below, 7378
Yenisey River, central region, spring ice jams, USSR study, 12724
Yeomen, 3 & 2, Navy training course, 11668
Yerkes, Vern P., weight and cubic-foot relationships for Black Hills ponderosa pine saw logs, 6370
YIG, see *Garnet*.
Yim Mel Lam, see *Lam, Yim Mel*.
Yin-Chao Yen, see *Yen, Yin-Chao*.
Yoakem, Delmar, survey of winter construction practices, earthwork, concrete and asphalt, 98
Yoda, Renpei, columbium-base alloys, 14344
Yolles, Stanley F., talk, Oct. 14, 1965, 8655
Yong Ok Espantoso, see *Espantoso, Yong Ok*.
Yoo Young Hul, and daughter, relief, 16183, 17530
York, Harold F.:
 mineral industry of—
 Rhode Island, 1403
 Vermont, 1405
York, Pa., area wage survey, 11318
York-ShIPLEY, Inc., President's E award for excellence in exporting (remarks), 4447
Yorktown, Va.:
 properties within Colonial National Historical park, acquire—
 law, 16130
 reports, 12247, 15111
Yoruba language, intermediate texts, 8751
Yosemite National Park, El Portal site, leases, extend term, report, 15002
Yoshida, Howard O., longline fishing for deep-swimming tunas in Marquesas Islands and adjacent areas, 12549
Yoshikawa, Kenneth K., analysis of radiative heat transfer for large objects at meteoric speeds, 12958
You and the VA, 2964
You and your passport, 10096, 18226
You as a volunteer, handbook for hospital volunteer workers, 1661
You I Souk, relief, 345
You, your country, and Navy Nurse Corps, 5342
Young, A. Barrie, Jr., approach, naval aviation safety review, 3036

- Young, Clarence P., jr., aeroelastic divergence characteristics of unguided, slender-body, multistage launch vehicles, 9883
- Young, Cortland E., jr., overflow system for standard U.S. Weather Bureau evaporation pan, 2318
- Young, John W., trajectory optimization for Apollo-type vehicle under entry conditions encountered during lunar return, 9919
- Young, Joseph W.:
functional comparison of basic restraint systems, 17413
recommendations for shoulder restraint installation in general aviation aircraft, 7446
- Young, L. E., magnitude and frequency of floods in United States, Pacific slope basins in California, 11188, 14177
- Young, Marvin P.:
clamp system for Pharos capacitor bank, 11671
vacuum clamp switch for Pharos capacitor bank, 9984
- Young, William H.:
coal, bituminous and lignite, 5099
thickness of bituminous coal and lignite seams mined, 14327
- Young workers, *see* Youth.
- Youngstown, Ohio, area wage survey, 8308
- Your body and radiation, 7445
- Your career with Federal Power Commission, 4779
- Your child from 3 to 4, 7514
- Your Department of State, 17217
- Your duties as representative payee, 15744, 18211
- Your farm rent determination problem, 17311
- Your Federal income tax for individuals, 2415
- Your name is somewhere in census records, 10400
- Your social security, 5506
- Your talents, let's not waste them (address), 8798
- Youth:
alternatives to incarceration, studies in delinquency, 10125
communities, commitment to opportunity (address), 17839
culture of youth, subculture, dependency status, etc., 7232
dialogue on adolescence, 4365
disadvantaged, Office of Education programs, 6192
disadvantaged young men, they need to learn, can you help Job Corps train them for employment, 7878
epileptic, identification, recruitment, and placement, technical information for project sponsors, 2488
facts and figures, 7515
facts to face about our youth, programs to help, 4728
fitness test norms and presidential award, 5408
juvenile delinquency and youth crime, task force report, President's Commission on Law Enforcement and Administration of Justice, 11703
juvenile delinquency and youth offenses control act, summaries of training projects, 7233
Lincoln Center's student program opens new world to teenagers, 12465
manpower development and training act, learn and train for job under MDTA, 13971
message to young workers about fair labor standards act, as amended in 1966, 8787
military service, results of examination, 8900
parents and teenagers, note to agents, 4765
pennywise teenagers, 15215
- Youth—Continued
physical fitness, suggested elements of school-centered program, 8617
President's Youth Opportunity Campaign, 1966, Agriculture Dept., 8833
profile of youth, 1966, print as Senate document, report, 917
resident worker, examination announcement, 12111
runningawayness (address), 8045
rural—
changing society, age of transition, 17305
clubs around world, handbook for developing programs, 16570
what kind of work would you like to do? 15222
teens sound off, faculty listens to students' serious evaluation, Lake Oswego High School, 17726
trustees of posterity (address), 15877
upward bound, program to help youth from low income families achieve college education, policy guidelines, etc., 9385
vote of confidence (address), 4247
youth opportunity campaign, summer 1966, training conducted by Federal agencies for non-college groups employed, report, 7550
- Yo-yo device, tangential despin, on rotating body, 3-dimensional analysis, 6888
- Ytterbium trichlorides, heats of formation, 6683
- Yttrium:
electrorefining, 15482
groups 5 and 6 binary and ternary compounds, thermoelectric properties, 16867
northern New Jersey, potential resources, 6674
reaction rate of solid yttrium metal with molten lithium fluoride, 15474
Yttrium iron garnet, *see* Garnet.
- Yu Wen Shi, relief, 9214
- Yuan, S. W., circulation control airfoils by means of jets, 7408
- Yuba River and Valley:
basin, engineer report—
departmental edition, 1027
document edition, 525
- Yugoslavia:
background notes, 1624
claims of U.S. nationals—
agreement, text, regulations, etc., 8050
timely determination, hearing, 12300
declaration on provisional accession to GATT, 2895
economic reform, science, and scientific research work, 6515
education problems of computer engineering, 1321
Federal Security Service, replies given by Federal Secretary for Internal Affairs Milan Miskovic to questions asked by employees, 6521
infectious diseases, current state and organizational problems in preventing and counteracting them, 15400
mineral industry, minerals yearbook chapter, 16859
neutron sources, practicability of production and application, 4980
protocol for accession to GATT, 10100
Yukon Flats region, Alaska, vegetation, 5725
Yuma, Ariz., equal employment opportunity program, economic data, 11771
- Yung, Kim Kap, relief, 302
- Yung, Mi Kim, *see* Kim, Yung Mi.

Z

- Zaborszky, John, research on digital adaptive control system, 5170, 14378
- Zacatecas, Mexico, Peshillo mine, geometry of metal distribution, 9771
- Zaffarano, Richard P., natural gas, 2567

Zagoria, Sam:

- remarks—
 Dec. 7, 1966, 2750
 Feb. 23, 1967, 6939
 Mar. 27, 1967, 8532
 June 28, 1967, 12993
 Sept. 27, 1967, 17044
 Oct. 20, 1967, 17043
 working with automation, 11300
 Zaker, Mildred L., voluntary help wanted for war on poverty projects, 9386
 Zalovick, John A., NASA research on noise-abatement approach profiles for multi-engine jet transport aircraft, 12956
 Zambia:
 foreign trade regulations, 10459
 investment guarantees, agreement, 1933
 labor conditions, 1392
 mineral industry, minerals yearbook chapter, 12806
 Zaretsky, Erwin V.:
 evaluation of high-temperature bearing cage materials, 5274
 temperature limitations of ester, etc., base lubricants in ball bearings, 15576
 Zectran, cholinesterase inhibition, following oral feedings, 16657
 Zeft, Howard J., study of man in oxygen-helium atmosphere, exercise performance and cardiovascular response, 88
 Zehnptennig, T., improved grazing incidence X-ray optics, 6726
 Zeigler, Glen, relief, 348
 Zeilinger, John E., coal-fired water pump, 1408
 Zen, E-An, construction of pressure-temperature diagrams for multicomponent systems after method of Schreinemakers, geometric approach, 2359
 Zender, George W., compression tests of open-face truss-core sandwich panels, 5255
 Zens, Clarence M., international commerce, 3434
 Zerlaut, Gene A., light scattering in highly reflecting pigmented coatings, 14392
 Zero gravity:
 condensing mercury flow, photographic study, 12939
 environment, bubble mechanics, boiling heat transfer, and propellant tank venting, 5164
 slosh dynamics study, vehicle and spacecraft description, 11530
 see also Weightlessness
 Zero power reactors, see Reactors (atomic).
 Zero pressure, thermodynamic properties of nitrogen gas, 6636
 Zero surfaces, see Surfaces.
 Zeydel, E. F. E., pressure distribution on oscillating panels in low supersonic flow with turbulent boundary layer, 6718
 Zhizn' otdannaya lyubimomu delu (Russian book), review, 1177
 Zhukov, G., reminiscences on battles for Moscow, USSR studies, 1287
 Ziegler, James F., calculation of inelastic electron scattering by nuclei, 12019
 Ziegler, P. N., use of displacement, flash, and depth-of-flash displays for providing control system information, 5354
 Zierdt, William H., jr., Army Reserve magazine, 3044
 Zikeev, Nikolay T., weather modification in Soviet Union, 1944-66, 17903
 Zimmerman, William H., soil survey of Jefferson County, Ky., 8704
 Zimmerman pine moth, see Moths.
 Zimmet, Steven, public domain, its place in our history, its place today, etc., 2525
 Zinc:
 deficiency, western field and vegetable crops, 5640
 geology of upper Mississippi Valley zinc-lead district (series), 6388
 industry, mineral industry survey, monthly, 4075

Zinc—Continued

- iron contaminated, refining by filtration and cer.rification, 5125
 lead-zinc industry, Pacific northwest, analysis, 11352
 lead-zinc industry stabilization—
 hearing, 12413
 report, 10752
 lead-zinc sinter, complex, electric smelting, 14353
 liquid, solubility of metals in, data compiled, 12844
 mine production, mineral industry survey, monthly, 4076
 minerals yearbook chapter, 2592
 ores, domestic reserves and potential sources, evaluation, 8340
 scrap, mineral industry survey, monthly, 4078
 use of steel and tantalum apparatus for molten Cd-Mg-Zn alloys, 8397
 zinc-lead district of upper Mississippi Valley, aeromagnetic and tectonic analysis, 4888
 Zinc chloride, vapor pressure, $\text{SnCl}_2\text{-ZnCl}_2$ binary system, 16864
 Zinc isotopes, Zn-65, distribution in freshwater ponds, 15681
 Zinc oxide, mineral industry survey, monthly, 4077
 Zinc sulfide, cobalt-doped crystals, bleaching effect under influence of ruby laser pulses, 9926
 Zink, James R., spectrochemical analysis of coal ash, 14342
 Zinn, Charles J.:
 Constitution of U.S., index, etc., 13553
 how our laws are made, 10520
 reprinting, reports, 10589, 10788
 Zinnikas, John D.:
 Pacific basin market for wood products for military support activities, 1098
 requirements for new housing in Hawaii, 1965-70, forecast, 16664
 Zion National Park:
 general information, 6987
 region, southwestern Utah, Carmel formation, review, 11168
 ZIP code:
 abbreviations for use with ZIP code, 7043
 last word in mail addressing, 1559
 Mr. ZIP, who he is, what he does, 5388
 postal zone charts, 2790
 Zippers, see Fastenings.
 Zircaloy, see Zirconium.
 Zirconium:
 alloys with small amounts of iron and copper or nickel show improved corrosion resistance in superheated steam, 9796
 carbide cathodes of solid solutions, evaporation rates, 6532
 in hafnium, determination, 9985
 mass transfer in stainless steel-Ch-12r-potassium system, and effect of stabilization of carbon and nitrogen in stainless steel, 12864
 zircaloy-aluminum composite pressure tubing, fabrication process, development, 8907
 Zitter, Meyer, revised projections of populations of States, 16014
 Zoarcidae, north Pacific Ocean, new genus and new species, 11606
 Zoby, Ernest V.:
 correlation of free-flight turbulent heat-transfer data from axisymmetric bodies with compressible flat-plate relationships, 5272
 isentropic flow solutions for reacting gas mixtures in thermochemical equilibrium, 16979
 Zoning, aid to community resource development, 17326
 see also Cities and towns—Rural zoning.

INDEX 1967

- Zoogeography, San Andreas fault, Calif.,
zoogeographic evidence for late Tertiary
lateral slip, 17827 c.
- Zoology:
medical and veterinary, index-catalogue,
14-15, 13295
valid names, of Portland catalogue, 8546
- Zooplankton, Hawaiian waters, 1955-56,
abundance and distribution, 14064
- Zootechanical Research Institute, achieve-
ments and problems since founding, Ru-
manian interviews, 9664
- ZPR-1, *see* Reactors (atomic).
- Zrubek, William E., split phase telecommu-
nications link, 15380
- Zubovic, Peter, distribution of minor ele-
ments in some coals in western and south-
western regions of Interior coal province,
8153
- Zuni Mountains, soil survey of area, N. Mex.,
13749
- Zuniga, Manuel A., relief, 9253, 13495,
13599
- Zusi, Richard, role of depressor mandibulae
muscle in kinesls of avian skull, 11610
- Zvezdograd, USSR, space port traced, devel-
opment, 1251
- Zych, Zofia, relief, 350





